1942

RICE BREEDING EXPERIMENTS BOOK-I

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

CEREAL CROPS AND DISEASES

AGRONOMIC NOTES

SPACE SOWN PANICLE ROWS
Rows-2001-3600
SEE INDEX INSIDE

2505 - 1942 No.
2s Co Rivesdale EP?

Cross with Rykers

3279 - (also Cross. with BR-5309) to (R+SBR Line)
4622 Cross with BR-41 for Yasmouth RR.

To 2700 for Eachs

Club type parades in
3084 } all bunching time
3184
3188

Row 267 has a sterile plant
maybe a Triploid

80 ft.
160

CONTENTS

Generation	Cross or Variety	Cross No.	No. Sels.	No. 1s Row
	C.I. Numbers (Several are not CI Nos.		1 29 1	2001 2453 2639
	Acadia		2	2595 2633
	Asahi		1	2594
	Blue Rose Disease Nurs.		11	2005 2013 2079 2132
	Blue Rose		3 4 3 8 4 1 38 28	2512 2526 2621 2625 2634 2642 2649 2695
	Bruinmissie		8	2128 2131 2689
	Calady		2	2578
	Caloro 1 on 3350(Calif.1939 Tet.Normseg)		5	2437 2586 2604
	Edith		2	2547
	Early Prolific 1 sel. is from Latex(2647)		22	2096 2505 2515 2530 2543
	Fortuna and Nira (Taman Sels.)		16	2431 2772
	Guidry(La.)		3	2788
	Lady Wright		5	2525 2751
	Mammoth Long		9	2537
	Rexoro		3	2791
	Shiro Benya		1	2593
	Shoemed 1 on 3578		3	2747
	Storm Proof		1	2770
	Tamasari Rogue		2	2114
	Zenith		2	2523
Selections from Crowley, La.			24	4644
Selections from Stuttgart, Ark.			38	2388
H.O.Susceptible Akaho x S.B.R from Stuttgart is on row 2452			280	

Disease Nursery runs from 2001-2143 and from 2388-2452.

Gen-eration	Cross or Variety	Cross No.	No. Sels.	No. 1st Row
F_{13}	- Colusa x Edith	292A	2	2002
F_{13}	- Kameji x Honduras	2911A	1	2004
F_{13}	- Kameji x Honduras (2911A18-1-1) (located on yield nursery acre)		47	2144
F_{13}	- Kameji x Blue Rose See 3710A and 3712A for (KxH)xBR sels.	2912A	8	2137 2602 2605
F_{13}	- Colusa x Blue Rose	2913A	25	2484 2571
F_{13}	- Caloro x Blue Rose	2914A	8	2439 2444 2610
F_{13}	- Edith x Blue Rose	2916A	8	2516 2576
F_{13}	- Imp. Blue Rose x Fort.	2920A	23	2432 2549
F_{12}	- T. Fortuna x E. Prolific	312A	7	2092 2726
F_{12}	- STorm P. x T. Fortuna	313A	3	2095 2599
	~~Storm Proof x Spain Jap~~	314A		2769 2771
F_{12}	- Storm P. x Spain Jap	314A	5	2596
F_{12}	- Rexoro x Delitus	321A	8	2129 2749 2755 2794
F_{12}	- Rexoro x Fortuna	322A	8	2138 2436&8 2757
F_{12}	- Rexoro x Sup. Blue Rose	323A	10	2139 2446 2763
F_{12}	- Rexoro x CI-5094 (Texas Patna Sels.)	324A	35	2798
F_9	- CI-7482 x Delitus	333A	1	2835
F_9	- CI-7482 x Fortuna	334A	1	2104
F_9	- CI-7482 x CI-5094	337A	5	2617 2836
F_9	- CI-7689 x Edith	3310A	1	2838
F_9	- Rexoro x CI-7689	3313A	10	2839
F_9	- CI-7689 x Colusa	3314A	2	2850
F_9	- CI-7689 x Fortuna	3318A	4	2105&33 2852
F_9	- CI-5403-2 x Edith	3321A	1	2854

Gen-eration	Cross or Variety	Cross No.	No. Sels.	No.ls & Row
F7	- Blue Rose x CI-5309	34A	14	2006 2434 2616&24 2855
F8	- CI-1645 x CI-5309	34H	2	2862 3812
F8	- Caloro x Fortuna	341A	14	2107 2863
F8	- Nira x Kameji	343A	11	2876
F8	- Caloro x Kameji	344A	13	2435 2888
F8	- Shoemed x Nira	346A	12	2441&51 2901
F8	- Rexoro x Nira	347A	18	2106 2443 2910
F8	- Caloro x Nira	348A	9	2927&43
F8	- Shoemed x Caloro (7 from Jodon included)	3411A	18	2115 2934&45
F8	- Caloro x Rexoro	3412A	7	2952
F8	- Kameji x TS-7190	3415A	2	2959
F8	- Nira x TS-7190	3416A	2	2962&74
F5&7	- CI-3212 x Blue Rose	3421A	8	2963
F8	- CI-5398 x Blue Rose	35X	3	2012 2971
F7&8	- Kameji x Shoemed (46 from Jodon included)	351A	74	2081 2973&75
F7&8	- Kameji x Rexoro	352A	24	2084 3047&75
F7	- Kameji x CI-7143	353A	7	2108 3084
F7	- Sup.Blue Rose x CI-7143	354A	32	3088
F7	- (283A2-3,ExF)x CI-7143	355A	2	2112 3122
F7	- Vintula x CI-7143	356A	1	3132
F7	- Storm Proof x CI-7143	357A	12	3123&3
F7	- Kameji x CI-4700	358A	8	3136
F7	- (283A2-3,ExF)x CI-4700	359A	8	2113 3145
F7	- Latex x CI-4700	3510A	4	2725 3152
F7	- 314A8-2-3-1(SPxSJ) x SBR	3512A	18	2022 2447 2581 2769 3155
F8	- B2916A(ExBR) x Sup.B.R.	3516A	3	3166
F5	- (283A6-4,ExF)x(283A2-7-6)	374A	11	3169

Generation	Cross or Variety	Cross No.	No. Sels	No. 1st Row
F_5	-(283A6-4,ExF)x(2916A7-3,ExBR)	375A	3	3181
F_5	-(2920A9-9,IBRxF)xShoemed (1row on	376A 3184)	121	3559
$F_{4\&5}$	-(KxH,2911A18)x(SPxSJ) (1row on	379A 2091)	38	3185
F_5	- (KxH,2911A18)xBl.Rose (located on yield nursery acre)	3710A	133	2196
F_5	- (KxH,2911A18)x(SPxSJ)	3711A	1	3225
F_5	- (KxH,2911A18)xBl.Rose (located on yield nursery acre)	3712A	40	2344
F_3	- Shoemed x Rexoro	3713A	28	3226
F_5	- F1(3512A)xSup.Blue Rose (SPxSJ)xSBR (1row on	3715A 3201)	105	2027 3255
F_5	- Caloro x Calady	3721A	9	3315
F_5	- Fortuna x Blue Rose	3722A	224	3325
F_6	- F1(COxCub)xBlue Rose	3723B	27	2118 3687 4137
See also cross 3940A(Row3713)				
F_6	- F1(COxCubensis) x B	3725B	5	2125 3703
F_6	- F1(COxCubensis) x C	3726B	6	3707
F_4	- CI-4700 x Rexoro	3747A	15	3059
F_3	- Blue Rose x Lady Wright	384A	23	4182
F_4	- (F1,DxR)x(F1,Cdy x CA)	386A	12	3729
F_4	- (F1,SxEP)x(F1,CAxCdy)	3810A	55	2134 3742
Includes 3926A and 3926A ♀		1 on 40		3833842
F5	- (CI-1645xCI-5309)xAL-11	3812A	10	3794
F_5	-(SPxSJ)xSBR) x AL-11	3813A	1	3805
F_5	-(SPxSJ)xSBR)x(ExF)x4700)	3814A	6	3806
F_4	- (F1,CAxBR)x(CAxCdy)	3825A	9	3813
F_4	-(314A8-2-1,SPxSJ)xDelit.	392A	2	3823
F_3	(314A8-2-1,SPxSJ)x(34A,Brx5309) Mostly Tullis Dis.Inherit.	394A	189	3825 3830
F_4	-(314A8-2-1,SPxSJ)xB3716 (Nira)	395A	9	3826 4029
F_4	-(314A8-2-2,SPxSJ)x(RxD) (B321A2-8)	396A	9	4034 4058
F_4	-314A8-2-2,SPxSJ)xB391 (RxD)	398A	1	4039
$F_{3\&4}$	-314A8-2-2,SPxSJ)xBR-41	399A	20	4063 4144
F_4	-314A8-2-2,SPxSJ)x(IBRxF)	3910A	26	4041 4073
F_4	-314A8-2-2,SPxSJ)x~~(IBxBR)~~ (B2912A13xKyBR)	3911&12	51	4084

Generation	Cross or Variety	Cross No.	No. Sels.	No. Is Ro
F3	Arkrose x 283A3-5,ExF	3916A	18	4163
F3	(F1,COxCub.)xUnknown	3940A	7	3713
F3	(F1,COxCub)xS2920A42,IBRxF	3941A	3	3721
F3	(F1,COxCub)x314A8-2-2SPxSJ	3942A	5	3724
F3	BR-41 x B2913A29,COxBR	401A	176	4206
F3	BR-41 x Colusa	403A	22	4391
F3	BR-41 x Early Prolific	404A	84	4414
F3	BR-41 x Caloro	4011A	3	4503
F3	BR-41 x Blue Rose	4014A	24	4506
F3	B2912A13,KxBR x BR-41	4015A	34	4531
F3	B2912A47,KxBR x BR-41	4016A	18	4567
F3	Arkrose x BR-41	4017A	33	4586
F3	323A2-8,RxSBR x Blue Rose	4044A	2	4621
F3	323A2-8,RxSBR x BR-41	4045A	4	4623
F3	2920A9-9,IBRxF x BR-41	4046A	14	4627
F3	2913A31,COxBR x BR-41	4047A	2	4642
	2914A20-1,CAxBR)x Cdy-100 (Calif.)		8	4154
F13	Medium-grain x Short-grain		17	2098 2448 2730 2797
F13	Long-grain x Medium-grain		2	2741
F12	Fortuna x Red Rice(NatlCross)		2	2449 2615
F3	Blue Rose x Red Rice(Natl Cross)		4	2743
	CI-4011 x Blue Rose		2	2638
	Shoemed x Fortuna	AL-11	1	2768
	Caloro x Lady Wright rogues	3173-1	9	2582 2588

494
1178
317
223
288
2492

494

SAMPLE PAGE

VARIETAL TEST OF OATS, 1908

CONDITIONS OF EXPERIMENT

PLOT

Location.....Field H.

Size.....1/20 acre.

SOIL

Kind.....Prairie loam.

Position.....Somewhat rolling.

Previous crop.....Corn.

NAME AND CONDITION OF MACHINERY

Plow.....

Disk..... Osborn.....Sharp.

Harrow..... U Bar.....Good.

Seeder..... Monitor.....Good.

.....

SEED

Variety.....Variable.

Weight per bushel.....Variable.

Source.....Variable.

Treatment.....Fanned clean and treated for smut.

SEED BED

Preparation:

1. Disked (lapped half).....4–6–'08.
2. Disked (lapped half).....4–10–'08.
3. Harrowed.....4–10–'08.
4. Harrowed.....4–27–'08.
5. Seeded.....4–27–'08.
6. Harrowed.....4–27–'08.

SEEDING

Manner.....Drilled.

Date.....4–27–'08.

Rate.....3 bushels per acre by weight.

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_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

Leaf Browning Notes: 6/18 - 6/

0 = no apparent signs of leaf browning noted

tr = definite symptoms noted on several plants but not severe

+ = Rather severe symptoms noted on at least several plants

tr or 0-tr) and (0+ or 0- +) = Only 1 or 2 plants affected

ch = Chlorotic plants noted which have not typical leaf browning symptoms. Seemed to a yellowing than chlorosis

ch-1 = 1 plant affected 2 = two, etc.

Plug at Br. O. th. + th.
wt. 0 1 2 3 4

Early Plugs Pol ↓ W.T. A.O. C.O.

CI-7034

2001 7/21 - 8/1 ~~8/23~~ 0 0 5 0 2002
1 Sel OK 0

F13-292A8-4-1 CoxE

2002 8/7 - 8/17 0 0 5 2329
15 SR

F13 - 292A8-4-1 CoxE

2003 8/8 - 8/17 0 0 th 2331
20 0

4-C-17-124, KxH

2004 8/11 - 8/22 0 1 th 2007
th th
Place

Old style BR. (Ank.)

2005 8/17 - 8/25 0 1 th 2003
5 15R

F7-B34A2-1-D2, BRx5309

2006 8/28 - 9/4 0 0 th 2039
th th 50 Sdg

F7-B34A2-6-D1, BRx5309

2007 9/3 - 0 0 th 2042
th th

F7-B34A39-47 Sel, BRx5309

2008 9/3 0 0 th 2496
th 10W

Pkg
Br WT

F7-B34A39-47 Sel, BRx5309

502 — 9/2 — 0 | 1 | 5 | 10M | 2009

Early Prolific

4 — 7/12 – 7/21 (8/14) — tr | 0 | tr | 10 | 5 | 40 | 2010

F7-B34A39-47 Sel

504 — 9/2 — 0 | 0 | tr | 20M | 2011

F7-35X-3, 5398xBR

2046 — 9/3 — 0 | 0 | tr | 2012 | 1-sel

very little pulpiness — tr | 0

Blue Rose (1939 Sel)

532 — 8/15 – 9/1 — 0 | 1 | tr | 5 | 29 | 2013

Blue Rose (1939 Sel)

?532 — 8/23 – 8/30 — 0 | 1 | tr | tr | seg mostly O or very Red | 2014 | 1-sel

Imp. Blue Rose (1936 Sel)

268 — 9/2 — 0 | 0 | tr | 1 | tr | O – trR | 2015 | 1-sel

Imp. Blue Rose (1936 Sel)

269 — 9/2 — 0 | 0 tr | tr | Sig O – trR | 2016

			Idd	WT	CO	Leaf Browning	
	Imp. Blue Rose (1936 Sel)						
2017	8/18 - 8/25		tr	0	S		3270
1-sel.			15		Seg		
	Imp. Blue Rose (1936 Sel)						
2018	8/17 - 8/25		tr	0	S		3271
			1.5	1	Seg		
	Imp. Blue Rose (1936 Sel)						
2019	8/19 - 8/25		0	0	tr		3275
			10	1	R		
	Calorо, ck.						
2020	7/19 - 8/8.		0	1	tr		55
	Imp. Blue Rose (1936 sel)						
2021	8/17 - 8/24		0	1	S		3276
			20		Seg		
	F7 - B3512A2-10-4(SP×SJ) × SBR						
2022	8/7 - 8/18. - mpi 9/6		0	0	SR		2054
1-R			0		R(p		
2-M					M		
	F7 - B3512A2-41-2				"		
2023	- 9/1		0	0	tr		2509
			tr		Seg		
	F8 - B3512A12-2-1-2(SP×SJ) × SBR						
2024	7/28 - 8/7		0	1	tr		2648
			20		25		

		WT	CO			
B3512A38-5-3 (SPxSJ)xSBR						
052 8/6 - 8/19	0 30	0	h 15			2025
S3512A38		"				
178 8/19 - 8/22	0 25	0	S Seg	R-M		2026
FS 3715A4-11-1; F; (3512A)xSBR						
191 8/20 - 8/25	T 5	0	S S	R-S		2027
FS - 3715A4-13-1;		"				
194 8/10 - 8/22	0 tr	0 tr	S Seg	M-S		2028
FS-3715A4-13-2;		"				
195 8/14 - 8/23	0 tr	0	h Seg	M-S		2029
Shocmed, ck						
7/23 - 8/5	0 5	0 0	tr			2030
FS - 3715A18-2-1,		"				
213 8/9 - 8/23	tr 5	0	h Seg	R-S		2031 2 sib.
FS - 3715A18-2-2,		"				
214 8/10 - 8/21	0 tr	0	h Seg	R-S		2032

		WT	CO		
	Fs - 3715A6-8-1; F, (3512A) × SBR				
2033	8/20 - 8/22	0	0	tr	2217
		10	1	Seg	m-s
	Fs - 3715A22-1; "				
2034	7/20 -S- 8/24	tr	0	tr	2222
	Eclosed daylight response	tr		0	
	Fs - 3715 A7-2, "				
2035	- 9/5	tr	0	tr	2513
		tr		Seg	R-m
	Fs - 3715A9-8, "				
2036	Aug 9/3 -	+	1	5	2515
		tr		Seg	R-m
	Fs - 3715A12-4-1 "				
2037	- 9/2	+	1	st	5 Seg 2524
		tr		Seg	m-s
	Fs - 3715A12-6, "				
2038	- 9/5	tr	0	s	105eg 3448
			tr		
		tr		Seg	m-s
	Fs - 3715A12-7 "				
2039	- 9/4	tr	0	5	3449
		15	tr	Seg	R-m
	Fortuna, ck				
2040	8/3 - 8/14	tr	0	5	46
		-		15	m

Plant Pl WT Ao Co.

F5 - 3715A12-7; F1(3512A)xSBR

451 — 9/5 — 0 1 10 / 10 Seg R-M — 2041

" — " — 452 — 8/24 - 9/2 — tr 0 5 / tr 5 Seg M-S — 2042

F5-3715A12-9, — " — 457 — 8/22 - 9/1 — + 0 / tr 5 / 5 Seg R-M — 2043

F5-3715A12-10, — " — 459 — 9/3 — tr+ 0 / tr 10 / 10 Seg R-M — 2044

" — " — 462 — 9/1 - 9/7 — 0 0 5 / 5 Seg R-M — 2045

" — " — 463 — 8/8 - Seg 9/5 — +seg tr 5 / 5 Seg M-S — 2046

" — " — 464 — 9/3 — +seg 0 tr / 1 tr M — 2047

" — " — 464 — 9/2 — +seg 0 / 1 tr / tr Seg M-S — 2048

Okup
Bu WT 40 CO

F5-3715A15-2, F1(35121) XSBR

2049 8/24-9/3 tr Seq O tr tr Seq 3465 M-S

Lady Wright, ck

2050 7/15-7/24-8/12 O O 5 15 15 E 45 S

F5-3715A15-4, "

2051 8/23-9/1 tr Seq O 5 5 Seq 3466 R-S

" "

2052 8/27-8/29 tr O 5 5 Seq 3467 M-S

" "

2053 8/23-5-9/3 O O 5 5 Seq 3468 R-M

" "

2054 8/24-9/1 tr Seq O tr 5 10 3469 M

F5-3715A15-5, "

2055 8/8-8/25 tr Seq O tr tr Seq 3470 R-M

" "

2056 8/17-8/23 tr Seq O tr tr Seq 3470 M-S

P B UT Ho Co

471 FS-3715A15-5, F1(3512A)+SBR 2057
-9/2 +seq O 5 tr 5 Seq M-R

472 " " 2058
-9/4 +seq O tr tr tr Seq R-M

473 FS-3715A15-6, " 2059
(1E 7/20) -9/5 +seq O tr tr Seq R-M

Edith - ck.

3 7/15-7/23-(8/14) O O 5 20 5 40 M 2060

475 FS-3715A15-7, " 2061
8/23-9/3 +seq O 5 Seq tr Seq Seq R-S

476 " " 2062
8/18-8/25 +seq O tr tr tr Seq R-S

478 FS-3715A21-1, " 2063
8/21-8/30 tr O tr tr Seq R-S

479 FS-3715A21-2, " 2064
8/19-8/26 +seq O tr tr 1 5 Seq R-M

F5 - 3715A 24-9, F(3512A)xSBR

2065 8/15 - 9/1 — 1 seq 0 tr Seq 3482 R-M; 1 tr Seq

" "

2066 8/17 - 8/24 — 1 seq 0 tr Seq 3483 M-S; tr 10 Seq

F5 - 3715A 24-10, "

2067 9/3 — 0 0 S Seq Seq 3484 R-S

" "

2068 8/20 - 8/30 — 1 seq 0 tr Seq 3485 R-S; tr Seq

" "

2069 8/24 - 8/31 — 1 seq 0 tr Seq 3486 R-S; tr 5 Seq

Zenith - CK

2070 7/25 - 7/26 (8/15) — 1 seq 0 5 5 1 M; 5 10

F5 - 3715A 24-10, "

2071 - 9/1 — 1 seq 0 tr 20 Seq 3487

F5 - 3715A 24-11, "

2072 8/22 - 8/29 — 1 seq 0 tr 20 tr 3488

P B WT Ho Lo

F5-3715A 24-11, F1(3512A) x SBR

489 8/21 – 8/30 ++ 0 tr tR 10 tR 2073

" "

490 7/5 Login – 8/20 – 9/1 ++veg 0 tr tR 5 tR 2074

" "

491 8/17 – 8/26 ++ 0 tr tr 10 tR 2075

" "

492 8/22 – 9/1 ++veg 0 tr 5 5 Seg R-S 2076

F5-3715A36-6, (Hawaii 1941) "

497 8/10 – 8/21 0 0 tr 0 + tr tr Seg R-M 2077

F5-3715A36-7, "

498 8/20 – 8/26 0 0 tr tr tr S 2078

Blue Rose Sel. (Wilkert) Early/Pearl type

144 8/15 – 8/25 ++ Seg 0 10 20 10 30 S 2079

Hira, ck.

49 8/3 – 8/16 – 0 0 tr 15 SR 2080

Pk Br wT Ho Co

F -351A1-5-2-1, KxS

2081 ++ O tr O 2047
tr O

F7 - 351A1-42-2-1, KxS

2082 tr sg O 10 5R 2411
15 Seg 5R

F7 - 351A1-66-3-2, KxS

2083 O O 5 10R 2662
tr 5 Seg tr 10R.

F7 - 351A1-66-3-3, KxS

2084 tr sg O 10 tR 2663
5 O tR

F7 - 351A1-100-1-1, KxS

2085 O O 10 O 2683
tr O

F8 - 352A11-2-3-2, KxR

2086 O O tr O 2721
8/3 - 8/14

grayish gold mineral 1942. very fine

NW non slatting - Lupton Pr

F7 - 352A1-15-3-3, KxR

2087 O O tr 5R 2719
tr 5R

F7 - 352A1-27-1-1, KxR

2088 tr O tr O 2732
tr O

F8 - 352A11-2-3-2-4 K x R (was No in 1941)
422 8/3 - 8/15 2089 2M
Similar to 2086 - st longer grain

Delitus, Ck.
51 7/28 - 8/7 2090

F5 - 379A1-16-1, (K x H) x (SP x SS)
296 7/27 - 8/13 2091

F11 - 312A8-1-1-2-5, TF x EP
352 8/22 - 8/29 2092

F11 - 312A8-1-1-2-5, " (was No in 1941)
353 8/22 - 8/29 2093

" "
354 8/22 - 8/29 2094

F11 313A5-1-1-1-1, S.P. x T.F.
357 8/22 - 8/30 2095

Early Prolific Sel (Station)
459 7/10 - 8/ 2096

Hb
Bu wit

Early Prolific Sel (Station)

2097 8/3-S — o o tr tR 2459 — 15 10M

1-sl. grain vigor hv.

36-MS-1-7-2-1 (Mod. Short-grain)

2098 8/24-S — o o tr 5R 2567 — tr 5 5R

2099 " 9/3 — o (Ilus in 1941) o S 5R 2568 — tr Seg 5R

Colusa - ck.

2100 7/8 - 7/17 - 8/8 — tr o tr 10 6 — tr 15M

36 MS-1-7-2-1

2101 8/30 — " — o o S tR 2569 — tr Seg Seg R-M

2102 9/1 — " — " — o o S 10R 2570 — 1 Seg Seg R-10M

36 MS-1-7-2-4

2103 9/1 — " — tr Seg o S tR 2592 — ES S R-10M

F9-334 B38-17-2, 7482 x B

2104 — 9/1 — (Ilus Hu. in 1941) — tr Seg 1 S 15 — 26 26 — R-4 40

Ft
Br nit Ho Co

F9-3318A2-5-1, 7689 XF
(was Ht in 1941)
645 2105
O OS
S Seg M-R

F8-347B40-5 RxN
(was Ht in 1941)
113 2106
8/5 S-
O OS
S O

F8-341B40-10, CAxF
(was Ht in 1941) Very good in field
054 2107
8/24-
O OS
S Gm

F7 353A2-14-1-2, KX7143
(was Ht in 1941)
816 2108
8/24
non header type
O O h
h S

F7-353A2-18-1-2, "
826 2109
8/23
O OS
S-15 Seg R-S

Rexoro, Ck.
37 2110
O OS
S R

F7-353A2-18-1-2, "
826 2111
8/10-
Th Seg
O S 5S
Seg Seg O-HO

F7-355A2-15-1-3, (EXF) x 7143
2893 2112
8/22
O O h
h O

Pb
Br WI Ho Go

F7-359A2-12-2-3 (ExF) x 4700

2113 +Seg O S 3023
Seg Seg 0 - 20

Tamasari Rogue

2114 8/3-8/12 O O S 4778
S Seg M-S

F8-3411B39-10, S x CA

2115 +Seg O tr 3134
tr 5711

" "

2116 O O tr 3135
S Seg R-S

F8-3411B39-13, "

2117 8/1 +Seg tr tr 3137
tr 0

F6-3723B39-1, AF1(col x C46) x Bl. Rose

2118 Pure mt for plyp Br m 1941+42 3186
8/3 ++ O tr 5

" B "

2119 Pur for plyp Br m 1941 + 42 3186
++ O S 5

Blue Rose, - ck.

2120 8/23 - + O 10 10 84
30

F6-3723B39-1-5, F1 (Co x Rub) x Blue Rose

186	Pure for plyp. Br	ni 141/142		+	Ok	th	2121
187	normal	" ni 41 Seg 42	D	+ Seg	0	10	10	2122
187	plyp Br	" ni 41 Seg 42	E	+ Seg	0	10	st	2123
187	normal	"	F	+ Seg	0	10	seg	2124

F6-3725B38-5-1, F1 (Co x Rub) x B

3725				0	0	10		2125
				+		Seg	

F5-3722A1-22-1, F x BR

699	7/27-8/8			0	0	15	-	2126 1E

F5-3722A1-93-1, "

792	7/21-7/29 grown in field test no 42 very good			0	0	15	th	2127 Fortuna Type reach 2-E

Brainmissic Sel (1936)

7259	8/26- grown in field test no 1972 very good			th	th	15	Seg R-M	2128

F11 - 321B39-13, RxD (Hr mi 1941)

2129 7/31 - 8/12 — + 0 5 — 2468 overripe

C2854-3, BR-41 - ck

2130 8/22 - — + 0 10 — th 92 — 15

Bruinmissie Sel (1936)

2131 — 0 0 15 — 3264 — seg M-S

Blue Rose Sel. (1936) Early (Hr mi 1941)

2132 7/15 - 7/27 — + seg 0 5 — 3299 — overripe

F9-3318B40-2, 7689x F (Hr mi 1941)

2133 — 0 0 15 — 15 — 2644 — overripe

non-headed at ear 7/26

1-E

F4-3810A17-1, F1(SxEP)xF1(CAxCdy)

2134 7/5 - S- — 0 0 5 — 3558 — Seg R-S

F4-3810A17-1, "

2135 7/3 - S- — + seg 0 5 — 3589 — seg R-M

F4-3810A17-5, "

2136 — + seg th 15 — 3593 — R

S2912A34-2-8-4-4, KxBR (Hvrnin 1941)
.23 8/17-8/25 0 0 10 Seg 5-25 0 2137

F11-322B39-7, RxF
.597 tSeg 0 10 2138
Seg R-M

F11-323B39-13, RxSBR, (Hvrnin 1941)
.602 tr 0 5 5 2139
tr Seg M-5

Calady, CK
.41 8/3-8/15 t 0 10 2140
one ripe

F11-323B40-4, "
.606 tSeg-tr tr 2141
Seg M-5

F11-323B40-2, " (Hvrnin 1941)
.517 0 2 tr 2142
M

F11-323B40-3, "
.518 0 0 tr 2143
M

Start of (KxH)

B2911A18-1-1-B2, KxH. (64-2-1)
.009 10 2144

2145	B2911A18-1-1-F1,	KxH (62-1-1)	5	2012
2146	B2911A18-1-1-H2,	" (64-3-1)	15	2014
2147	B2911A18-1-1-N1,	" (64-5-1)	10	2017
2148	B2911A18-1-1,	" (62-2-1)	5	2549
2149	"	" (62-3-1)	5	2550
2150	Blue Rose, CK. BR	? Down!		84
2151	B2911A18-1-1,	KxH (62-4-1)	10	2551
2152	"	(Lost in 1941) (64-8-1)	5	2584

585 B2911A18-1-1, KxH. (64-9-1) 10 2153

586 " " (Harris 1941) (64-10-1) 15 2154

009 B2911A18-1-1-B2, KxH, (64-2-2) 10 2155

" " , " (64-2-3) 5 2156

008 B2911A18-1-1-B1, " (64-1-1) 5 2157

009 B2911A18-1-1-B2, " (64-2-4) 5 2158

008 B2911A18-1-1B1, " (64-1-2) 5 2159

92 C2954-3, BR-41, CK. BR-41 2160

2161	B2911A18-1-1-F1,	K1H	(62-1-2)	5	2012
2162	"	"	(62-1-3)	10	11
2163	B2911A18-1-1-H2,	"	(64-3-2)	5	2014
2164	B2911A18-1-1-H1,	"	(64-13-1)	5	2015
2165	B2911A18-1-1-H3,	"	(64-4-1)	5	2015
2166	B2911A18-1-1,	g1	(62-5-1)	10	2018
2167	"	g2	(62-5-2)	10	do
2168	"	g3	(64-6-1)	10	2019

B2911A18-1-1, K x H (64-6-2) 2169

Blue Rose, ck

BR 2 2170

B2911A18-1-1, K x H (64-6-3) 2171

" " (62-2-2) 2172

" " (62-2-3) 2173

" " (62-2-4) 2174

" " (62-3-2) 2175

" " (62-3-3) 2176

2177	B2911A18-1-1,	K x H (62-3-4)	15	2550
2178	"	" (62-4-2)	15	2551
2179	"	" (62-4-3)	15	do
2180	C2854-3,	Blue Rose-41 BR-41 ?		92
2181	B2911A18-1-1,	K x H (62-4-4)	15	2551
2182	"	" (64-7-1)	10	2581
2183	"	" (64-8-2)	10	2584
2184	"	" (64-8-3)	15	do

B2911A18-1-1, K x H (64-9-2) 2185L

" " (64-9-3) 2186

" " (64-9-4) 2187

" " (64-10-2) 2188

" " (64-10-3) 2189

Blue Rose, ck. 2190

B29 11A18-1-1, K x H (64-10-4) 2191

B2911A18-1-1-D, K x H (64-11-1) 2192

2193	B2917A18-1-1,	K x H (64-12-1)	15	191
2194	"	" (64-12-2)	20	do
2195	"	" (64-12-3)	15	do
2196	F5-3710A1-3-2 (K x H) x BR		10	3351
2197	"	2-2 "	15	do
2198	"	" 2-3 "	10	do
2199	"	3-1 "	10	3552 (3357 prob.)
2200	C2854-3 Blue Rose-41, CK. BR-41 Plug Sr. 6/19		10	92

352	F5-3710A1-3; 3-2 (k x H) x BR	5	2201
353	F5-3710A1-4; 1-1 "	5	2202
088	" 1-4-2-1 "	5	2203
do	" 2-2 "	5	2204
091	F5-3710A1-6; 1-1 "	5	2205
do	" -1-2 "	10	2206
3355	" -2-1 "	10	2207
3357	F5.-3710A1-7-1; 1 "	10	2208

2209	F5-3710A1-7-1,-2 (K x H) x BR		10	3357
2210	Blue Rose, ck. BR Plug Bx 6/19		10	84
2211	F5-3710A1-7-1,-3	"	15	3357
2212	"	-4 "	15	do
2213	F5-3710A1-9-1-1		" 10	3358
2214	"	-2 "	10	do
2215	"	-3 "	5	do
2216	"	1-9-2-1 "	5	3359

F5-3710A1-9-2 (K x H) x BR

359 5 2217

" 2-3 " 10 2218

" 2-4 " 5 2219

C 2854-3, Blue Rose-41, ct.

2 BR-41 2220

F5=3710A1-9, (K x H) x BR

359 2-5 2221

" 3-1 " 5 2222

361

" 3-2 " 10 2223

" 3-3 " 5 2224

F5-3710A1-9, $\frac{3-4}{(K \times H) \times BR}$

2225		5	3361
2226	" 1-9-4-1 "	5	2093
2227	" 4-2 "	5	do
2228	" 4-3 "	5	do
2229	" 4-4 "	5	do
2230	Blue Rose, ck. BR-	5	84

F5-3710A1-10, $\frac{2-1}{(K \times H) \times BR}$

2231		10	3363.
2232	" 2-2 "	10	do

363	F5, 3710A1-10, 2-3 (K x H) x BR	S	2233
1095	F5-3710A1-11, -1-1 "	S	2234
364	" 1-11-2-1 "	S	2235
366	F5-3710A1-12, -2-1 "	S	2236
367	" 3-1 "	S	2237
368	F5-3710A1-13, -1 "	S	2238
10	" 1-2 "	S	2239
12	C2854-3, Blue Rose-41, Ck. BR-41	S	2240

2241	F5-3710A1-13	$\sqrt[3]{(R \times H) \times BR}$		5	3368
2242	"	1-4	"	"	do
2243	F5-3710A1-14	1-1	"	10	3369
2244	F5-3710A1-15	1-1	"	" 5	3370
2245	"	1-2	"	" 5	do
2246	"	1-3	"	" 5	do
2247	"	2-1	"	" 5	3371
2248	"	2-2	"	" 5	do

372	F5-3710A1-15; 3-1	(K x H) x BR		2249
4	Blue Rose, CK	BR		2250
372	F5-3710A1-15; 3-2	"		2251
373	"	4-1	"	2252
10	"	4-2	"	2253
374	"	5-1	"	2254
10	"	5-2	"	2255
097	"	6-1	"	2256

Some Plump Pr 6/14 Seg

2257	F5-3710A1-15, 6-2 (K x H) x BR Some Plump Br Seg		5	2097
2258	" 6-3 Sa		5	do
2259	F5-3710A1-16, "		5	3375
2260	C2854-3, BlueRose-41, ck. BR-41		5	92
2261	F5-3710A1-16, 1-1 (K x H) x BR		5	3375
2262	" 1-2 " Seg for Plump Br 6/19		5	do
2263	F5-3710A1-17, 1-1 "		5	2099
2264	" 1-17-3-1 "		5	3378

378	F5-3710A1-17, 3-2 (K x H) x BR Seq for Plugs Run		5	2265
do	" 3-3 " Seq Plugs Run		5	2266
2101	F5-3710A1-18, -1-1 "		5	2267
379	" 2-1 "		5	2268
3385	F5-3710A1-20, -1-1 "		5	2269
84	Blue Rose, CK. BR		5	2270
3384	F5-3710A1-19, 3-1 "		5	2271
3382	" 2-1 "		10	2272

2273	F5-3710A1-19, 3 2-1 (K x H) x BR		4	3383
2274	F5-3710A1-20, 2 2-1 (K x H) x BR		4	2102
2275	" "	2-2 "	10	do
2276	" "	2-3 "	10	do
2277	" "	1-2 "	5	3385
2278	" "	1-3 "	10	do
2279	F5-3710A1-21, 1 2-1 (K x H) x BR Seg for Plump Br		5	3386
2280	C2854-3, Blue Rose-41, CK.		5	92

F5-3710A 1-21, 1-2 (K x H) x BR

3386				5	2281
3387	"	1-21-2-1	"	10	2282
3388	" Seq Plug Br	1-21-3-1	"	10	2283
do	" Seq Plug Br +	3-2	"	10	2284
do	" Seq Plug Br	3-3	"	5	2285
do	" Seq Plug Br	3-4	"	10	2286
3390	F5-3710A 1-22,	1-1	"	15	2287
do	"	1-2	"	10	2288

	F5- 3710A1-22, 1-3 (R x H) x BR			
2289			10	3390
	Blue Rose, ck.			
2290	not quite as much Phyto Rot		10	84
	F5- 3710A1-22, -2-1	"		
2291			10	3391
2292	"	2-2	" 5	do
2293	"	2-3	" 5	do
2294	"	3-1	" 10	3392
2295	"	3-2	" 5	do
2296	"	3-3	" 10	do

	F5-3710A1-22, 3-4 (K x H) x BR			
392			10	2297
do	"	3-5 "	10	2298
393	"	4-1 "	10	2299
92	C2854-3 Blue Rose - 41 Gt.		10	2300
394	F5-3710A1-22, 5-1 (K x H) x BR		10	2301
do	"	5-2 "	5	2302
do	"	5-3 "	5	2303
do	Seg Plug Bu	5-4 "	15	2304

F5-3710A1-22-5-5 (K x H) x BR

2305		5	3394
2306	" 1-22-6-1"	10	2104
2307	" 6-2"	5	do
2308	" 6-3"	5	do
2309	" 6-4"	10	do
2310	Blue Rose, CK.	5	84
2311	F5-3710A1-23-1-1 " Seg Plugs Br	10	3395
2312	" 1-2 " Seg Plugs Br	10	do

F5 - 3710 A1-23, 1/3 (K x H) x BK.

3395	Seq Plup Br		10	2313
	"	1-23-2-1	" 60	
3396	Seq Plup Br			2314
do	" Seq Plup Br	2-2	" 10	2315
3397	" Seq Plup Br	3-1	" 5	2316
do	" "	3-2	" 10	2317
do	" "	3-3	" 10	2318
do	" "	3-4	" 10	2319
92	C2854-3, Blue Rose-41, ck.		5	2320

	Plump Br	6/69	3-5		
	F5 - 3710A1-23, (A x H) x BR				
2321	Seg Plump Br	+		5	3397
2322	"	+	3-6"	5	do
2323	"	+	5-1"	10	3399 "
2324	"	+	6-1"	5	3401
2325	"	+	6-2"	5	do
2326	"	+	6-3"	5	do
2327	"	+	6-4"	5	do
2328	"	+	6-5"	5	do

		Prepare 6-6		
401	F5-3710A1-23	(K x H) x BR	5	2329
34	Blue Rose, ck.		5	2330
402	F5-3710A1-23	7-1 "	10	2331
do	"	7-2 "	10	2332
do	"	7-3 "	10	2333
do	"	7-4 "	5	2334
do	"	7-5 "	10	2335
405	F5-3710A1-24	3-1 "	5	2336

2337	F5-3710 A1-24-3-2 (K x H) x BR	+	S	3405
2338	" " 3-3 "	+	S	3406
2339	F5-3710 A1-25-1-1 "	1 Plant +	15	3407
2340	C2854-3, Blue Rose-41, ck.		S	92
2341	F5-3710 A1-25-1-2 (K x H) x BR		S	3407
2342	" -1-3 "		10	do
2343	" -1-4 "		10	do
2344	F5-3712 A1-4-1 (K x H) x BR	W	W	3416

		Plump	Br	WT		
	F5-3712A1-7-3; 3 (K x H) x BR					
2353		+			S	3424
	F5-3712A1-7, -5-1	"				
2354		+			S	2114
	"	-5-2		"		
2355		+			S	do
	"	-5-3		"		
2356		+			S	do
	"	-5-4		"		
2357		K	+		10	do
	F5-3712A1-8 (K x H) x BR					
2358		Tr			10	3425
	F5-3712A1-12; 1-1	"				
2359		Tr			10	3427
	C2854-3, Blue Rose-41, <k					
2360					10	92

Plug to Br Co T

F5-3712A1-13; 2-1 (K x H) x BR

3429 tr 10 2361

" 2-2 "

do tr 10 2362

" 2-3 "

do 10 2363

F5-3712A1-15; 1-1 "

430 tr 5 2364

" 1-2 "

do tr 5 2365

" 1-3 "

do tr tr 2366

" 2-1 "

3431 5 2367

F5-3712A1-16; 1-1 "

3432 tr 15 2368

			Phyto Bl WT		
2369	F5-3712A1-16-1-2 (K x H) x BR		t	S	3432
2370	Blue Rose-, CK.			S	84
2371	F5-3712A1-16-1-3	"	t	t	3432
2372	F5-3712A1-18-2-1	"	t	S	3434
2373	"	2-2	"	t	S	do
2374	F5-3712A1-19-3-1	"	t	10	2115
2375	"	3-2	"	S	do
2376	F5-3712A1-20-1-1	"	+	10	3437

Plants Br

F5-3712A1-20, 2-1 (K x H) x BR

3438 t 10 2377

" 3-1 "

3439 t 5 2378

F5-3712A1-21, "

3441 5 2379

C2854-3, BlueRose-41, ck.

92 5 2380

F5-3712A1-21, 1-1 (K x H) x BR

3441 5 2381

" 1-2 "

do tr tr. 2382

" 2-1 "

3442 tr 5 2383

" 3-1 "

2117 10 2384

Plugs Bu WT

2385 F5-3712A1-21, (K x H) x BR 2117

2386 F5-3712A1-24, 1-1 " 3446

2387 F5-3712A1-25, 1-1 " 3447

End of (K x H) x BR

2388 Calady x Shoemed S42-127 A+K No. 24
7/8 - 7/21 (8/17) Seg O tr R

Fair

2389 Calady x Shoemed S42-128 25
8/3 - 8/18 - Seg O S R

segregating

2390 HCAd.a, ck. Butt 77
8/16 - 8/22 O O tr tr over ripe

2391 Calady x CI-2835, S42-132 28
7/22 - 8/3 (8/20) tr S R

fairly good

2392 Calady x CI-2835, S42-134 30
7/30 - 8/8 O O tr tr over ripe

good

ff
fr NT HO Co

Meshibu x Zenith, S42-135

31 8/10 – 8/20 + 0 tr 2393
2 for NT on 8/4 thru one rep

Mubo Aikoku x Zenith, S42-136

32 8/13 – 8/21 tr 0 tr M 2394

Mubo Aikoku x Zenith, S42-139

34 7/15 – 7/25 (8/17) + 2 tr 2395
Seg R - M

StormProof x CI-6011, S42-140

35 7/13 – 7/25 (8/16) H 1 S 2396
Seg R - M

StormProof x Delitus, S42-141

36 7/25 – 8/4 H 0 S S 2397
one rep

StormProof x Early Rexoro, S42-145

39 7/18 – 7/27 – (8/15) Seg 0 S 1 R 2398

StormProof x CI-3337, S42-147

41 8/2 – 8/10 Seg 0 10 2399
Seg

Early Prolific, ck.

Contl 4 7/12 – 7/20 (8/16) + 0 S 20 40 2400

		Ht	Br	Wt	Ark No
2401	Rexoro x Fortuna - S42-157 7/27 - 8/5 (8/20) Good.	0	0	10	50 over ripe
2402	Rexoro x Fortuna - S42-158 7/31 - 8/10 V. good.	0	0	5	51 over ripe
2403	Rexoro x Fortuna - S42-159 7/31 - 8/8 V. good.	+	0	5	52 over ripe
2404	Rexoro x Fortuna - S42-161 7/27 - 8/6 (8/25) good	+	0	10	53 O. Ripe
2405	Rexoro x Fortuna - S42-162 7/31 - 8/10	0	0	10	54 O ripe
2406	Rexoro x Fortuna - S42-163 7/31 - 8/8	0	0	10	55 O ripe
2407	Rexoro x Fortuna - S42-164 7/27 - 8/6 Taller than others on 7/15 V. good.	0	0	5	56 O. ripe
2408	Rexoro x Fortuna - S42-165 7/31 - 8/10	+	0	10	57 O. ripe

Rexoro x Fortuna - S42-166 2409
7/27 - 8/7

Caloro, ck. 2410
8/5 - 8/15

Rexoro x Fortuna - S42-167 2411
8/1 - 8/9
V. good.

Rexoro x Supreme-Blue Rose - S42-169 2412
8/1 - 8/10

Rexoro x Sup. Blue Rose - S42-170 2413
7/31 - 8/9

Rexoro x Sup. Blue Rose - S42-171 2414
7/25 - S
8/21 -

Rexoro x Sup. Blue Rose - S42-172 2415
7/27 - 8/10

Rexoro x Sup. Blue Rose - S42-173 2416
7/20 - 8/4

Mubo Aikoku x Onishiki; S42-178

2417 7/3-S-

Discard

Mubo Aikoku x Onishiki; S42-179

2418 7/15-S-8/10

~~Mochiba x Kinai, S42~~ S42-188

2419 Kameji x Blue Rose,

8/4-S 8/20

Shoemed, ck.

2420 7/27-8/7

Kameji x Blue Rose - S42-189

2421 8/14-8/22

Kameji x Blue Rose - 42-190

2422 8/17-8/23

Kameji x Blue Rose - 42-192

2423 8/16-8/23

Kameji x Blue Rose - 42-193

2424 7/15-S-8/3 (8/22)

ArK

Imp. Blue Rose x Fortuna - S42-194

82 7/15-7/25 (8/24) 8 th 10 2425 over ripe

Colora x Blue Rose - S42-195

83 8/13- H seg S 2426 M

Colusa x Blue Rose - S42-196

84 8/3- O ths S 2427 over ripe

Colusa x Blue Rose - S42-197

85 7/17-8/4 tsg os S 2428 Seg R-M

Colusa x Blue Rose - S42-198

86 7/16-8/4 O O > 10 2429 Seg R-M

Beaumont also sent to Crowley + Stuttgart

Fortuna ck.

nut-46 Fortuna th os 2430

8/3-8/15

nut No. Taman-39

71 8/3-8/15 O ths 2431 R

B2920A25-1-2-1-1, IBRxF

72 7/27-8/6 O OS 2432 over ripe

		Ht Br	wt		Bmt No
2433	B2920A25-5-2-1-1, IBRxF.	0	0	5	103
				Seq M-S	
2434	B34A39-47, BRx5309 8/24	0	0	tr	109 M about like BR 41
2435	B344B39-8 CA x K. 8/16-8/24 2nd yield test in 1941 + 42 very good	tr	0	tr	119 tr-5M
2436	B322A4-1-1-1, RxF 7/31-8/8 Very good, promising yield manuscript very good	0	1	10	120 over ripe
2437	B3711, CA 8/20-9/25	0	tr	5	131 over ripe
2438	B322A3-6, RxF 8/2-8/10	0	0	10	134 over ripe
2439	J2914A46 Sel 7/26-8/6	0	0	5	136 over ripe
2440	Edith, CK 7/13-7/27 (8/15)	tr	0	5 20 20R	38

B346 B39-9, SxN
38 8/10- 0 0 S R 2441

B346 B39-4, SxN
44 th 0 S SM 2442

B347 B39-18, RxN
51 8/5- 8/16 0 0 S 2443
over ripe
Not nearly as tall as Mrs. V.G.

B2914A36-3, CAxBR
53 (7/15-IE) 8/6- 8/16- 0 0 S 2444
over ripe

B2914A4-1-1, CAxBR
57 8/11 - 8/21 0 0 S 2445
over ripe

B323A3-14, RxSBR
7 8/24- 0 0 S 10 2446

B3512A3941 (SPxSJ) xSBR
75 0 0 S 2447
Set R-S

B405, Medy Short.
77 8/24 0 0 S 2448
over ripe

		Yds	Wt	Ho	Leaf Brown
		Ho.	Co	WT	
2449	B406, Fortuna x Red.				198
		o	o	s	
				R-5	o
	~~Zenith, ck.~~ Round Smith (Hw or Ellis)				
2450	7/17-7/28 (8/17)		tr	os	1
				—	—
2451	B346B39-16, SxN	o	o	s	206
	8/22-				sg R-M
2452	Akalux SBR Hork 1010 13687				
	Ho susceptt.	o	o	20	
Ho	8/19-8/26		+		sg
	End of disease nursery				
		Ho	Co	WT	
2453	Aiken So. Carol. (1940)			o	4840
	6/15-7/8				
	I-E				
	SPI-133,000A (straw Hulls)				
2454	7/1-			o	5030
	SPI-133,000 (Red Hulls)				
2455	7/2-			o	5031
	Carolina Gold				
2458	7/28-8/7		5	o	4816
	I-E				

			WI			
		Ho. Co				
	Early Prolific	404A ♂				
847			S		tr	2457
	7/13-7/21					
	Storm Proof					
820			o+		tr	2458
	7/19-7/30					1-E
	Spain Jap					
821	7/6-7/21	R.	00		o	2459
						1-E
	Early Prolific, ck.					
14					+	2460
	7/13-7/20					
	Spain Jap	4018 A ♂			o	
853		R	00			2461
	7/13-					1E
	Brittle Seed					
839			R		o	2462
	7/8-					1-E
	Liguleless, CI-2671					
828					o	2463
	8/23-					
	39-4219, - Multi-Recessive					
829			0		o	2464
	7/24-					1-E

		Ho	Co	Wh Tip	Leaf Brown	
	Multi-Recessive					
2465 ✓ 1-E	7/21 –		0		0	4834
	CI-6248 –					
2466 ✓ 1-E	7/27 –		0		0	4838
	CI-6121-3					
2467 ✓ 1-E	7/22 –		0		0	4830
	CI-5309					
2468 ✓ 1-E	7/11 – 7/22				●	4832
	CI-6011					
2469 ✓ 1-E	7/20 –				0	4831
	~~CI-4011~~ Prob.- CI-5173					
2470 ✓ 1-E	7/15 –				H	~~4818~~ 4817?
	CI-4074					
2471 ✓ 1-L	8/20 –				0	4822
	CI-3025					
2472 ✓	7/21 –				0	4819

		Ho Co	WJ.	Leaf Br.	
1808	39-4359 (Purple culm CI-3025) 7/25- Somewhat fuel purple Is considerably taller than CI-3025)		?		2473
1827	CI-5398 8/25-		o		2474 Pr 1-sel
1818	CI-4011 8/16-		th		2475 1-sel
1826	CI-4504 8/19		th		2476 1-sel
1785	Roque from Comm. Rexoro 8/20- Similar to CI 4504		th		2477 1-sel
40	8/20-	"	th		2478
1826	CI-4504 8/20-		th		2479 1-sel
55	Caloro, CK. 8/2-8/11		o		2480

		Ho	Co	W.T.	Leaf Br.	
2481	CI-4504 8/20				tr	4826
2482	CI-7143 8/23-				0	4835
2483	CI-4700				0	4836
2484	B2913A29-(Sel Name) 7/4-7/19				+	
2485	do 7/12-7/20				+	
2486	do Ho for composite check 7/10-8/19			S	+	
2487	B2913A29 Rogue (hybrid 1940) 2447 Ho for composite check 7/12-S-8/20			S	+	
2488	B2913A29 (1940 dist. Sdg) 7/13-7/24				D	4720

			Leaf Br.	
		1/0 Co WT.		
	B2913A29 (1940 date Sdg)			
722	7/8 - 7/20		0	2489
	do			
723	7/12 - 7/20		0	2490
	uniform and tallest row V.Q.			1-11-E
	do			
724	7/13 - 7/24		0	2491
	do			
do	7/14 - 7/24		0	2492
	Later than 2490, heavier			Hv
	B2913A29 (♂ parent Crosses, 401A & 402A			
348	7/14 - 7/25		0	2493
	do			
do	7/19 - 7/30		0	2494
	do			
do	7/15 - 7/29		0	2495
	much sterility			Hv
	B2913A29 (♂ parent Cross - 4052A)			
349	7/15 - 7/28		0	2496

				1/0 Co W.T.	heat Br.
	B2913A29 (1940 Nat'l cross)				
2497	Hv for comp. duck 7/15 - 7/28			S rogue	5085
				0	
		do			
2498	7/17 - S - 8/17			T-Co	5085
				Seq 0	
		do			
2499	7/27 - S - 8/15			+	5085
2500	Shoemed, ck, 7/27 - 8/6			+	7
2501	B2913A29 (Nat'l cross, 1940) 7/20 - 8/3			0	5085
		do			
2502	7/17 - 7/23			0	do
		do			
2503	7/11 INE - S			0	do
		do			
2504	7/20 - S			0	do

	Hab	Co	Wt.	Leaf Br.		
41-S-72, EP					Co = R	
7/11-7/18	R.	O		t	2505	
uniform maturity					Nw 2-E	
1st growth badly damaged by birds No 2nd.						
41-S-208, EP					Co = T	
7/27-8/4	S			+	2506	
41-S-195, EP					Co = T	
7/16-7/25	S			tr	2507	
EP Sel (1941 Ark Source Sd)						
7/21-S-	S			O	2508	
41-S-127, EP	S				Co = T	
7/15-7/26				tr	2509	
					2-E	
check & variation						
41-S-216, EP					Co = T	
7/14-7/21	S			+	2510	
Early Prolific, ck.						
7/14-7/22				+	2511	
Blue Rose (1936 Sel)						
7/15-S-8/6				mod alt	2512	

No		Co WT.	4/23/42 Leaf Br.
	Blue Rose (1936 Sel)		
2513	7/16 - 5 - 8/5	mod	det 3299
2514	do 7/18 - 7/27	mod	+ do
2515	Early Prolific (1937) may be clean test 8/20 -	+	Co = + 02467
2516	B2916A34-3-3-1 Sel 7/27 - 8/4		+ 16
2517	do 7/26 - 8/3		+ do
2518	do 7/21 - 8/3 V. long peduncle - earlier		+ do
2519	do 7/21 - 8/3 Best looking Most Uniform		+ do
2520	Fortuna ck 8/5 -		+ 46

	B2916A34-3-3-1 ND Co Sel W.T.		6/27 Leaf Br.	
6	7/21 – 8/2	+	2521	
	1 of Best looking			
	do			
10	7/19 – 8/2	+	2522	
	Smith check			
	7/17 – 7/27	++	2523	
	Zenith sel from Norine			
	7/16 – 7/26 not better than original	+	2524	
	L. Wright, upright pencil type			
	8/10 (1 plant in row)	o	2525	
481	Blue Rose (1936)			
	8/6 –	o	2526	
257	Imp. Blue Rose (1936)			
	7/15 – 7/26	o	2527	
218	Blue Rose (1936)			
	8/3 – 8/12	+	2528	
	tall, rough + branchy			

				Ho	Co	W.T.	Leaf Br.
	Unknown	BR 2					tr 2628
2529	8/2 - 8/12						
	Early Prolific (Station)						tr 2458
2530	7/19 - S -						
	do						o 2459
2531	7/9 - S -						
	do						+ do
2532	7/7 - S						
	do					R.	+ 2461
2533	7/20 - 8/1						
	2-E						
	do					R	tr 2462
2534	7/18 - 7/25						
	2-E						
	do					R	tr do
2535	7/20 - 7/27						
	do					R	+ 2461
2536	7/20 - 7/28						
	1-E						

all from wrabbit strain and are from same line as 1942 plot #32 Ep.

as a two bogy later than

	Ho	Co	WT	Leaf Br.		
Mammoth Long Sel.					Co = R	
7/20 – 7/31			Mod	tr		2537 1E
do						
7/22 – 7/31			Mod	abtr		2538 1E
do						
7/20 – S – 8/4			Mod	0		2539 1E
Lady Wright, ck.				0		2540
7/15 – 7/24						
Mammoth Long Sel.					Co = R	
7/8 – S –			Sev	0		2541
do						
7/16 – 7/27			Sev	0		2542
do				0		2543
7/17 – 7/27			R			1-E
do				0		2544
7/27 – 8/2			R			

No		Co	Mt. Leaf Brov	
Mammoth Long Sel			Co=R.	
2545	7/21 - 7/31	R	o	
do		Sel	tr	
2546 1-E	7/21 - 8/2			
Edith (1938)				
2547 1-E	7/21 - 8/2	R	tr	2463
do				
2548	7/20 - 8/4	R	tr	do
B2920A9-1-2D (rogue)			off-type	
2549	7/25 - 8/5		+	2824
C2920A41-2-2 Sel (1940)				
2550	7/15 - 7/23		o	4719
B2920A9-9-1-1 Sel (1940)				
	7/6 - 7/18		+	3521
2551				
S2920A17-4-4-8-1 Sel (1940)			Co=R	
2552	7/13 - 7/27	Sel	o	4742

		No	Co wt.	Leaf Br.	
o=R 742	S2920A17-4-4-8-1 Sel (1940) 7/12 - 7/22		o		2553
o=R	do 7/14 - 7/27 gold hill - (dv. cand 7/27)		o		2554
o=R	do 7/7 - S - 8/15		o+		2555
743	S2920A32-3-11-8-9 Sel (1940) 7/15 - 7/27		tr		2556
744	do 7/16 - 7/25		+		2557
do	do 7/15 - 7/27		+		2558
2 later stem next to Row 024	B2920A9-1-2D 7/30 - 8/9	+	+		2559
33	Edith, ck. 7/16 - 7/28		S - o		2560

		Ht	Co	Wt.	Leaf Br.	
	B 2920 A 9-1-2 D					
2561	7/30-8/8				tr	2024
	S 2920 A 42-6-1,					Co=R
2562	1-bel 7/15-S-				O	43
	B 2920 A 3-4-1-1-1					
2563	8/7-8/15				O	4747
	do					
2564	8/2-8/18			R+	O	4750
	Uniform - Stiff stem - Watch 8/17/42					
	B 2920 A 25-1-2-1-1					Off type
2565	8/17-8/24			S	O	72
	Med-p. BR type - uniform					
	do					
2566	7/20-8/8 dog-				O	do
	do					Off type
2567	7/15-S				O	do
	B 2920 A 25-5-2-1-1					
2568	-9/2				+	4126

			No Co W.T.	Leaf Bro.	
	B2920A13-2-2-1-1-1 Sel				
335	9/3 –		+	tr	2569
	B2920A			Co = R	
563	7/18 –			tr	2570
O=R	B2913A17-3	Co-Resistant Sel,			
8	7/15 – S –			O	2571
	gold hull leg present				
	B2913A31-2-1-4	(4047A R)			
864	8/16 – 8/23			O	2572
	do				
do	8/15 – 8/22		+	O	2573
	2913A24-4-,				
338	8/3 – 8/17			tr	2574
	2913A24-4,				
339	8/5 – 8/17			O	2575
	B2916A5-2-1,	ExBR.			
455	8/13 – 8/23			O	2576

		No	Co	W.T.	Leaf Br.	
2577	B2916A5-2-1, E x BR 8/11 - 9/22				O	2457
2578	Calady check 8/8 - 8/16			S	O	41
	Taller & more productive than gold-hulled strain					
2579	Gold-hulled Calady from date seeding appears identical to Calady vegetatively on 6/21/42 8/6 - 8/15			S	O	
	One straw-colored plant (looks like typical Calady) Hv 9/5 42					
2580	Zenith, ck 7/15 - 7/25 (8/15)				+	1
2581	B3512A38-6-1, (SP x SJ) x SBR 8/20 - 8/25			R	⊕	179
2582	B3173-1-2 - Rogue (CA x LW) 8/4 5 - 8/20				O	2450
	do					
2583 1-M	(7/20 - IEP) 5 - 8/10 v uniform now.				O	do
	do					
2584 2-M	8/25 - Some leg for mod & grain type				to	do

	B3173-1-2 Rogue (CA×LW) No Co WI. Leaf Br.		tr	2585
450	7/26-S-8/10		R	2-E
	Calora Chuck		o	2586
55	7/28-8/7			
	Calora Sel (Normal from Calif 1939 tetra)		o	2587
042	7/28-8/5			
	B3173-1-4, Rogue (CA×LW)		o	2588
452	8/10-S			
do	8/10-8/22	do	o	2589
do	8/10-8/22	do	tr	2590
do	8/9-8/18	do	o	2591
do	8/19—	do	tr o+	2592

Ho Cont. 6/22/42 heat Br.

Shiro Beniya Sel.

2593 7/8-S- o .21

1-E

2594 Asahi Sel o 85

7/19-S-8/24

2595 Acadia. rogue dup o

8/15-

1-ad

B314A8-2-1-2 (1940 Rogue) rogue

2596 8/16-8/22 o 4/27

do rogue

2597 8/17-8/22 o do

do rogue

2598 8/16-8/23 o do

F11313A 5-1-1-1 SPxTF

2599 8/24 o 2357

Nira, ck

2600 8/7-8/20 o 49

6/22/42
No Cont. heat Br.

F1313A5-1-1-1, SPX T.F.
8/21 o-t 2601

B2912A47 sel
7/13- S- 0 + 2602
2-E

B2912A47 (4016A9)
8/6-8/17 + 2603

B3711, CA
8/9- 8/20 o 2604

B2912A47 (tall plants)
8/4- 8/15 + 2605

This and 2610 heat looking on 8/5

do (non-purple plant)
8/12- 8/20 + 2606

B2912A13, (4015A9 and 4019A8)
8/14- 8/22 Dr 2607

B2912A13, non-purple apex
8/11- R o 2608
maybe S2911A18 is not apical

HO CO W.T. Leaf BR

B2912A13 non pr- apex.

R O 8-7 0-1

2609 8/6-8/19 standing much like 2608 & of same Inv: Quick loss Ha. than 2608 & of same grain longer than 2912A13 — looks like arbuscular grain

Arkrose, (4017A ♀) S O tr 4861

2610 8/6 - 8/15

This row and 2605 best looking on 8/13

~~J2914A~~ 46-1-1-1-1-3-2,

2611 7/19-S- O 4810

J2914A 3-3-3 Co=R

2612 7/20-S O rogue

B2914A4-1-1, Co-R

2613 7/12-S- O 157

~~J2914A~~ 46-1-1-1-1-3-2

2614 7/30-8/10 O 4809

Fortuna x Red

2615 Fava Cr Susc. O 2029

8/20-

F7 34A40 BR X5309

2616 T on dgd T 4825

-9/5

NO Com. Heat Br.

B337B3918, 7482 x 5094 + 2617

8/22 - 9/1

Too tall

do

7/19 - S - o-+ 2618

much segregation 1-E 2-L-

do

7/17 - S - o-+ 2619

Delitus, CK

7/25 - 8/5 2620

Co=R Supreme Blue Rose ('41)

8/10 - 8/25 o 2621

do

8/2 - S - 8/26 o 2622

do

8/20 - 9/1 + o 2623

B34A39-47, BR 5309 (Rogers) + o 2624

8/24 - 9/1

No Co WT. Heat Br.

Commercial Blue Rose (Roque)

2625 7/19-S- o-+

Sterile Blue Rose (Colch'39)

2626 seg o-+ 5055

do

2627 8/16- +5055

Blue Rose (Orange Co.)

2628 8/19-8/25 seg+ tr Co = T

do

2629 8/19-8/25 Seg o-+

do

2630 8/19-8/25 Seg o-+

do

2631 8/19-8/26 seg o-+

do

2632 8/19-8/26 seg 0

all Used T Co rec 1941

NO Comm. heat R.R.

large seeded type from Acadia		o-t	2633
8/20-8/25			
Blue Rose (1936 sel).		+	2634
8/4-S-			
Blue Rose (Wilfert '40)	R	+	2635
7/27-8/4			
do	R	tr	2636
7/27-8/6			
do	R	o-t	2637
7/16-7/28			
39-4312, (4011 x BR)	R	o-t	2638
7/18-7/28			
CI-4011		o	2639
8/10-8/20			
Colusa, ck		o-t	2640
7/4-7/16			

			Ho	Co	W.T.	Leaf Br.
	39-4312, (CI-4011 x BR)					
2641	7/21-7/28 — (8/25)	R	o			4806
2-E						
	Blue Rose Sel (Bmt)					
2642	blotchy early		o-h			2004
Hv	threshes very good straw					
	Early Prolific (Station)			Co-R		
2643	8/8-S	neg	o-+			458
	do					
2644	8/10-S	neg	o-+			2459
	do			Co-R		
2645	7/14-S	R	o-+			2459
	B3910-1, EP			Co=R		
2646	8/10-8/18	neg	o			2466
	Latex Sel.					
2647	8/8-8/21		o			2465
	B3910-1, EP			Co=R		
2648	8/8-8/18	R	o			2466
Hv 1-el	with later very similar to Arlington	VG				

			No. Co	WT	Leaf Br.
30-R 487	Blue Rose (1937) 8/3 - S -		R	+	2649
30=R 489	Blue Rose Sel. 8/16 - 8/25		R Leg	o	2650
30=R 489	do 8/20 (1 plant in 2650)		R	o	2651
528	do 8/20 - 8/25		lg +	o	2652 1-sel
52-54	BR-S-15-1-2-1-1-1			o	2653 1-sel
	do			1 +	o-slt 2654
270	Imp Blue Rose (1936 Sel) (Grown in yield test in '42+ Early fair + 7/16 S 8/20 - 8/24)			o	2655
273	do 8/19 - 8/25			± 2	o-tr 2656

	~~Hastie~~	Ped. 1st ~~Test~~	Do	Co WT.	Leaf Br.
	Imp. Blue Rose (1936 Sel)				
2657	7/19 8/15 - 8/22		R 1	0	3275
1-sel					
	do				
2658	8/17 - 8/23 Heavier than av.		R Th	0	3277
HW 1 sel					
	do	longer than av.			
2659	8/21 - 8/26		R ± 2	0	~~±~~ 278
HW 1 sel					
	Rexoto, ck.				
2660				0	87
	Imp. Blue Rose (1936 Sel)				
2661	8/16 -		± 2	+	3282
	do				
2662	8/24 -		± 2	0	~~±~~ do
	do				Smooth
2663	Later than ck. Uniform good looking, stiff straw		R 1	0	3286
HW 1 sel					
	do				
2664			R 2	0	3288

A number of ~~sel~~ made for a Rough-Smooth test

Head.
1st Fuji
Ho - Co M.I. Leaf Br.
smooth Blue Rose (1936 Sel)
297 R + + 2665. smooth Hv
7/14 IE
all of these lines shatter.
do
298 R3 o-+ 2666 smooth
do
318 8/4-S- S o-+ 2667 S
do
324 By far the most row in nursery for →++++ 2668 Hv
(mix) S grow ears.
Excellent grain type, gold hulls, leaf Running
Ot side slope from in early growth
Blue Rose Check
S tr 2669
8/22-
Blue Rose, (1936 Sel)
527 R tr o-+ 2670
do
533 R o-tr 2671
8/22-
Utah plant made trip (round trip 9/1/42)
B3714, BR
424 R ++ 26723

No Co Nit Leaf Ex.

Blue Rose (194) Red Tips)

2673 8/17-8/23 Seg o-+ 4/33

2674 8/23 do Seg th-+
2 sels

2675 8/22 do seg. th o-th
1 sel

2676 8/22 do R th o-+
2-sels

2677 8/22 do seg th o-th

2678 8/22 do seg. th

2679 8/21 do seg ~~th~~ th-+

2680 8/22 Blue Rose, ~~do~~ ck. ~~th~~ th-+84

No Co nut Led Br.

Blue Rose (1941 Red Tips) light o+ 2681

133 8/23 2 sel

BR - colch - 5-2 Tr 2682

174 7/19 - 5 -

Small sized mostly BK w dusty Smooth

not too vigorous

Blue Rose (Wilfert 1940) rogue

180 tr tr+ 2683

2 sel

all 3 rogue very much alike. Some color than BK and almost as tall as Parents. F1 BK crosses. Excellent long-grass type, Tall, very vigorous d.o rogue

o+ 2684

1 sel

d.o rogue

o 2685

Hu 3 selo

d.o red light

1797 6/19 - S - o 2686

2 selo

Tall Bearded (from 1940-41 greenhouse Pot)

5084 7/20 - 7/30 0 0 2687

1-2

~~Imp Blue Rose (1936)~~ Burnmeister

4 3259 o 2688

8/25 R

No Co Nat Leaf Br

Bruinmissie (1936 Sel)

2689 R 0 3259
1 sel 8/24

do

2690 R R 0 3262
8/22 2688, 89 + 90
Late in season lodged the worst, most uniform & best looking of 3 similar rows

do

2691 R 0 3264
1 sel

do

2692 R 0 3265
1-sel

do

2693 Nd. 00 0 3312
8/22 45 R
Nat 1-sel Similar to 2690 except smooth

do

2694 seg 0-tr 3263 C=R
7/15 - 7/22 - 8/12
Uniform V9 Ep type

1941 Blue Rose field plot rogues C=R
2695 seg +
2 sels
Seg → gold & straw rough & smooth Sask smooth heads

do

2696 seg 0
8/20 -

1941 Blue Rose Field Plot Rogues CO=R No Cont Red Br.

8/9 – S – o 2697

do 1 o 2698

do tr o 2699

C2854-3 Blue Rose-41, Check 2700
92 tr-t
8/20 – 8/26

1941 Blue Rose Field Plot Rogues CO=R 2701
8/20 – 8/26 tr o
Rpr grain types 1 sel
Shatters very badly Lanceolate Sels.

do (o-t 1 very bad plant) 2702
1-sel

do 1 o-t 2703
8/22 –

do o-t 2704
8/20 –

1941 Blue Rose Field Plot Rogues - CO-R

		No	Co	Nut	Leaf Br.
2705	8/3 -S-		seg	o-t	
1-sl					
	do				
2706	8/3-S-		seg	o	
	do				
2707	8/17-		seg	o	
1-neck-leaf type					
	do				
2708	7/20-S		seg	o+	
	do				
2709	7/14-S		R	o	
	do				
2710			R	o	
	do				
2711	7/18-S		seg	o-+	
	do				
2712	8/17 - 9/25		seg	o	

1944-Blue Rose-Field Plot Rogues - Co=R.

8/2-S-		seg	0	2713
8/3-S	do	R	0-tr	2714
8/3-S-	do	seg	0	2715
8/17-	do	seg	0	2716
8/20-	do	seg +	+	2717
8/17-	do	seg	0-tr	2718
8/20- 8/25	do	S	0-+	2719
8/8-8/17	Cz/4/ady-4a, check	S	0	2720

1-sd

1941 - Fie. Id Plot Rogues (BR) Co = R

2721 8/20 R 0-+

do

2722 8/19 - 8/25 R 1 0-tr

do

2723 8/19 - 8/25 R + 0-+

do

2724 8/21 R tr 0-+

F7 3510 A2-4-3-1, L x 4700

2725 8/19 - 8/24 Seg 0 3033

1-pl Purba TF x EP

F11-312 A8-1-1-2-5-1-1-1-2, TF x EP

2726 8/19 - 8/24 1 0-+2351

1-pl

do

2727 8/19 - 8/24 0-tr do

1-pl

F11-312 A8-1-1-2-5-1-2-1-2, TF x EP

2728 8/19 - 8/24 tr 0-+2353

Ho Lo MT Leaf Bl

F11-3124 8-1-1-2-5-1-2-1-2, TF x EP

2353 8/19 - 8/24 + o-th 2729

36 MS-1-7-2-3, Med x Short

2028 8/24- 2 o 2730

36 MS-1-7-1-3, do

2566 2 o-slth 2731

1 sl

do do 2 o-slth 2732

36 MS-1-7-2-1 "

567 R 1 o-slth 2733

1 sl

do do R 2 o 2734

2 slo

do

2568 R th o-th 2735

1-sl

do

569 R 2 o 2736

			Ho	Co MT	Leaf Br
	36MS-1-7-2-1, Med x Short				
2737	Stripes like 33. Looked very good when 1st up, Dries back too rapidly		2	0	2569
	do				
2738	Prune 27 33 & 39 are all very much alike, broken, good color, but dry back quite rapidly		R th	0	2570
2739	do		R l	0	do
	Acadia, Ck.				
2740	8/8-			0	77
	36LM-20-1-1, Long x Med.				
2741	8/8 - 8/18		S	0	4811
	Very good on 8/24				
	36LM-20-1-4-1,	"			
2742	7/22 - 8/6		S	0	2025
	Very good on 8/24				
	F3 - BR x Red				
2743				0	5079
	do				
2744	7/15 - S -			0	do

Ho Coll. Fed Bu

F3 - BR x R-d

079 7/20 S- 0 2745

Released-root rogue (R x 5947) 0-th? 2746

28 7/19 - 8/5

Shoemed, pr culms (4048A ♂) + 2747

854 7/26 - 8/5 1-sel

Shoemed, ck + 2748

7 7/26 - 8/5

B321A2-8-2-1 (4032A ♂) + o 2749

1880 7/27 - 8/7 1-sel

B391, RxD (1940 Parent) ++ 2750

1823 7/21 - 8/4 1-sel

Lady Wright (40-1207) RO 0-th 2751

7780 7/18 - 7/28

Pr tipo

do 0-th 2752

do 7/22 - 8/4

Ho Co MT Test

Lady Wright (40-1207) o-th 4771

2753 7/17 – 8/1

do o-th do

2754 7/15 – 7/25

B321A2-5 (Nat'l Cross) o 4128

2755 5 seb very good

do o 4128

2756 8/3-S-

1-rd

B322A4-2-3-1, (early off type) o-th

2757 7/18-S-8/5

B322A4-2-3-1 (typical) o-th

2758 7/30 – 8/9

B322A4-2-3-1, R x F o-th 4752

2759 7/23-S 8/9

Early Prolific, ck. 14

2760 7/11 – 7/20

		Ho Comt	Leaf Br.	
F11-322B39-7, RxF				
2597 8/24		o		2761
F11-322B39-10,	"			
2598 8/20		o		2762
B323A2-8-2-1 (4044A+45A Q)				
1879 7/25-8/10		tr		2763
F11-323B39-13, RxSBR				
2602		o		2764
				Hyb
				10 Typo
F11-323B40-3,	"			
2605		o		2765
				Hyb
do				
do 8/23		o		2766
				Hyb
				1 ab
F11-323B5-12,	"			
4125		tr		2767
AL-11-1C, SxF				
4824 7/28-8/4		o-tr		2768

Ho Co MT Sr.

B314A8-2-2-4, SPxSS

2769 7/27- o 4814

Storm Proof (4018A + 19A ♀)

2770 7/30-8/1 o-tr 4851

B314A8-2-1-2, SPxSS

2771 8/10- o 4815

Gold-hulled Fortuna

2772 8/2-8/12 o+5051

1-sel Very Promising

Fortuna hogue

2773 8/2-8/12 o-+

Normal Fortuna

2774 8/5- tr 5067

Fortuna, check

2775 8/3- tr 46.

Taman Nira

2776 8/3 o 3242

	Taman Nira	No Cont	Fed Bd	
243	8/3		o	2777
	do			
244	8/2		o	2778
	Purple Nira (Taman)			
245	8/10		tr	2779
				1 sel
55	Caboro, check		o	2780
	8/6			
	Taman Nira			
246	8/7		o-tr	2781
	do			
	8/3		o	2782
	Nm purple plant - Taman Nira			
247	8/2		o	2783
	Nira, check			
49	8/10		o	2784

2785	Rexoro P. Colch 8/6-8/12	Ho Co NIT	tr	3535
2786	B3716, Nira 8/23-		0	4132
2787	do		0	do
2788 2 sel	Guidry 8/24-		0-tr	484)
2789 1 sel	do 8/24-		0	do
2790	do 8/24-		0-tr	4842
2791 1 sel	41-S-41, Rexoro (Early)		0	473
~~2792~~	~~C2854-3, Bl. R 41, ck.~~ Rexoro, ck		0	~~42~~

		No.	Co WT	Leaf Br	
	Rixon check				
7	8/24		o		2793
	B321A2-5, early sel.				
	8/22-		+		2794
					1-sel
	do long-g type			tm	
6	8/24-				2795
					1-sel
	do do				
02	8/25		o		2796
					1sel
	B342, Med x Short (?)				
17	may be Tuxedo pedi		o		2797
					1sel
	B324AL-8-21, Rx5094, Sel. (Nome)				
	7/25-5-		o		2798
	do				
			o		2799
	8/20-				1-sel
	shoe med, ck				
	8/1-8/2		o		2800

B324A1-8-2-1, R#5094, Sel. (Nome)

		Ho	Co	NT	Leaf Rl	
2801	7/25 - S -				0	
2802	7/28 -	do			0	
2803	8/1 -	do			0	
2804	7/27	do.			0	
2805	8/8 -	do			0	
2806	7/28 -	do			0	
2807	7/26 -	do.			0	
2808	7/27 -	do.			0	

1 sel
1 sel
1 sel
1 sel

B324AL-8-2F, RX5094, Sec. 1 (Nome) Ho Cont Sec Bk

7/20 -	5 -	o	2809 1 sml
	do	o	2810
8/8 -			1 sml
	do	o	2811
7/31 -			
	do	o	2812
7/25 -			
	do	o	2813
7/27 -			
	do	o	2814
8/4 -			
	do	o	2815
8/1			
	do.	o	2816
8/1			

			No Co NT Lod Bl	
	B324A1-8-2, Rx5094,	Sc1.	(None)	
2817	7/31 –		0	
2818	7/24 –	do	0	
2819	7/28 –	do	0	
2820	8/4 –	Fortuna, CK.	0	46
	B324A1-8-2-1, Rx5094,	Sc1	(None)	
2821	8/1 –		0	
2822	8/2 –	do	0	
2823	8/1	do	0	
2824	8/2	do	0	

3324A1-8-2-1, RX5094, Sel.	Ho	GMT	Lod Bi	(Norme)
8/1	do		0	2825
8/4	do		0	2826
3-D-3 8/24	do	short straw thrasher	0	2827
8/19	do	early plant	0	2828
9/20	do		0	2829
8/20	do		0	2830
8/15	do		0	2831
8/1	do		0	2832

Ho Co Mat Leaf Br

B324A1-8-2-1, Rx5094, Sel. (early plant)

2833 8/20 — o

do

2834 sl. shorter straw, & stiffer than av. o
some agrey. fr grain length
2 sels pickup

F9-333B38-17-2, 7482xF

2835 o 2625

F9-337A7-3-1-1-3-4, 7482x5094

2836 8/5 o 2371

do

2837 7/31 — do

F9-3310A1-19-1-2-2-3-1, (7689xE)

2838 o 2376

F9-3313A1-20-3-2-1-1-1 (Rx7689)

2839 7/22-7/29 o 2382

Lady Wright, ck. tr 15

2840 7/14-7/25

Ho Co MT Lead Bk

Fg-3313A1-20-3-2-1-1-2, (Rx7689)
383 7/31 ~ o 2841

Fg-3313B40-4, (Rx7689) SP type
382 7/16 - 7/21 o 2842

Fg-3313A1-20-3-2-1-1-2, (Rx7689)
383 7/17 - 7/22 o 2843

do o 2844
7/18 - 7/24

do o 2845

do o 2846

do o 2847

do o-h 2848

Mean of 9 that are about 10% meat. or
el. excellent (Have excellent grain Type
with much Lead than Rx. Very Promising.

Ho Co NT Seed Bd

Fq-3313A1-20-3-2-1-1-3 (Rx7689)

2849 o-tr? 2384

Fq-3314B38-11-1, (7689 x CO)

2850 8/1-8/12 o-tr. 2637

1 sel

do

2851 8/5-8/10 o do

1-sel

Fq-3318B40-2, 7689 x F

2852 o-+2641

Fq-3318B40-1, "

2853 o 2639

Fq-3321 B38-7-1 (5403-2xE)

2854 7/31- + 2443

Fq - B34A3947-D1, BRx5309

2855 8/10- + 2044

Fq - B34A3947-D2 "

2856 + 2045

Ho. Co NT Ind Br

F7-B34A39-47, BRx5309 Ho + Co resist
496 th 2857

do
10 th 2858

do Ho + Co resist
2495 th o-th 2859

13 Edith, CK
7/16-7/28 o 2860

F7- B34A39-47, BRx5309 Ho + Co resist
504 th o-t 2861

F8- B34H-66-1 (1645x5309)
13 646 o 2862

F8-341B39-4, CAXF
44 3043 th 2863

Was given as yield
mine. in 1942.
Log data last fairly good
do
45 o 2864
Ind

Ho Cont ½

F8-B341B44-1, CAxF

2865	Same for Coop Crossing Expt with Jodon			0
2866	"	-2	"	0
2867	"	-3	"	0
2868	"	-4	"	0-5
2869	"	-5	"	0
2870	"	-6	"	0-7
2871	"	-7	"	0-7
2872	"	-8	"	0-7

Ho Cont 4h

F8-B341B41-9, CAxF o-t 2873

FxC (1-61-9) Crowley o-tr 2874
r-3700 Use in coop crossing Hr
Experiment Today (Late)

FxC (1-61-9-1) o-t 2875
3697 8/9-

F8-343BB9-9, NxK + o 2876
3066

F8-343B40-4, NxK o 2877
073

F8-B343B41-1, NxK. o 2878
Saw for Coop. Crossing Exp't 1Hr

" -2, " o 2879

1 Zenith, ck. + 2880
7/20-7/31

Ho Co WT Leaf Br

F8-B343B41-3, NxK.

2881 " -4 " 0-+

2882 " -5 " 0

2883 " -6 " 0-tr

2884 " -7 " 0-tr

Pinks grow both to gel acid forms in culture.

2885 " -8 " 0

Ho/Isol Very good late type smooth, awned red

2886 " -9 " 0-tr

2887 " " " 0

Ho Tall like Mira, later
Very hard to thresh
Would be a good line to cross back to Mira

F8-B344B41-1, CA xK.

2888 0

	Ho	Lo	WT	Lead Br	
F8-B344B41-2, CAxK.				0	2889
" -3 "				0	2890
" -4 "				0	2891
" -5 "				0	2892
" -6 "				0tr	2893 Nv
" -7 "				0	2894
" -8 "				0	2895
" -9 "				0	2896

		Ht	Co	WT	Leaf Br
	F8-B344B41-10, CA x K.				
2897					0
	" -11 "				
2898					0
	" -12 "				
2899					0
	Nira, ~~CK~~				49
2900	8/10-8/20		+	+	
	F8-346 B39-9, S x N				
2901	1 sel				0-43081
	F8-346B39-18,				
2902	1 sel				0-B086
	F8-B346B41-1, "				
2903	8/15- 10				0+
	" -2 "				
2904	8/17- Very good				0-2

W. Va. Ver. in 1/14/ Very good in yield test

Very good in yield test

Very good in yield test

V. good much shorter than Nira similar grain type

Ha lo WT Fed Bu

F8-B346B44-3, S x N

8/10 — o-alt 2905

" -4 "

8/8 — o-t 2906

" -5 "

8/6 — t 2907

" -6 "

8/1 — o-t 2908

" -7 "

t 2909

F8-347B39-18, R x N

108 8/9 — o-t 2910

We do Hv in 1941 and if any Hard in yield test Hv

F8-347B40-6, R x N

114 8/17 — ? 2911

" -7, "

115 8/8 — o 2912

			Ho	Co	NT	Led Bl	
	F8-347B40-8, RxN.						
2913	8/7-					0-slt	3/16
	"	-9-	"				
2914	8/2 —					0-slt	3/17
	F8-B347B41-1		"				
2915						tr	
	"	-2	"				
2916	8/5-					+	
	"	-3	"				
2917	8/5-					+	
	"	-4	"				
2918	8/10					0	
	Either exceptionally good parent or else separating for maturity						
	"	-5	"				
2919	8/2					tr	
	Very good, shorter than average						
2920	Delitus, ck					++	51
	7/27-8/7						

Was blue in 41 earliest of RxN's but last very good.

		Ho	Lo	WT	Leaf Br	
F8-B347B41-6, RxN					o	2921
8/7-						
	" -7 "				o+	2922
8/9-				Very good		Ho
	" -8, "				o	2923
8/10-						
	" -9, "				h	2924
8/5-						
	" -10, "				o	2925
8/14						
	" -11, "				h	2926
8/8-						
F8-B348B41-1, CAxN.					o	2927
8/15-						
	" -2, "				o	2928

	Ho	Co	WT	leaf Br
F8-B348B41-3, CAxN				
2929 7/27-				o
2930 " -4 "				o-th
2931 " -5 "				o
2932 " -6 "				o
2933 " -7 "				th
F8 3411 B39-10, SXCA				
2934				o-+3136
2935 do				th-+do
2936 " -14 "				+3144

		Ho.	Co	WT	leaf Br	
	F8-3411B39-14, SxCA					Plant-grain type
141				o-th		2937
	F8-B3411B41-1, "				ch 1	2938
	-2, "				o	2939
6	Colusa, ck.				o	2940
	F8-B3411B41-3, "				o	2941
	" -4, "				o	2942
122	F8-348B39-6, CAxN				o	2943
124	do, "				oth	2944

		Ho	Co	WT	Lef Bl	
	AL-15-1, SXCA					
2945	8/6 –				other-801	
	do					
2946	8/3 –				+	✓
	do					
2947	8/2				tr	✓
	AL-15-2, SXCA					
2948	8/3 –				0	other-802
	do					
2949	7/26 – S –				0	✓
	do					
2950	8/1				0	✓
	do					
2951	7/27 – 8/7 –				0	✓
	F8-B3412B41-1, CAXR.					
2952	very good long oleo type – R				0	

1 ad

		Ht o Lo WT	leaf Rt	
8-	B3412B41-2, CAxR		o	2953
	do, -3 "		o	2954
	8/7			
	do-4		o	2955
	do-5		o	2956
	Uniform shed straw midseason maturity R			1 sel
	do-6		o	2957
	8/3			
	do-7		o	2958
	Very good lot (Rsmd.) shot grain type early thrashed very clean grain quality)			1 sel
	F8-3415B40-3, K x 7190			
	2163		o	2959
	8/2-			
87	Rexoro, check		D	2960

		Ho Cont	led Bl	
2961	Blackhull plant from 3415A1, K x 7190		O	
2962	F8-3416B40-5, N x 7190		O	3171
2963	F5-3421A 7/28-8/3	, 3212 x BR	O-T	2486
2964	do 7/28-8/3	"	Tr	✓
2965	do 7/28-8/3	"	O	✓
2966	F7 3421A4-1-1,	"	O	3174
2967	do	"	O	✓
2968	F7-3421A4-1-2,	"	OT	3177

Drawings finished in 1941; Only four Panels to right

1 sht

Ho lo WT Leaf Br

F7-342IB4-1-2, 3212xBR
3178 o-th 2969

do
3179 Better than other lines, esp. 2966 & 67 o 2970
2 sel

F8-35X-3, (5398xBR)
2046 o 2971
Hn

gave only 1 glume in 1943

do
✓ oth 2972
1 Hn

F7-351A1-16-2-3, KxS
2398 + 2973
7/15—S—

F8-3416B40-3, NxT190
3169 o 2974

F7—351A1-66-1-1, KxS
2659 o 2975

F7-35IA1-66-3-2, "
2661 o 2976

		Ho	Co	WT	Leaf Br
2977	F7-351A1-66-3-2, K×S			o	2661
2978	do			o	✓
2979	do			o	✓
2980	Blue Rose, ck			oh	84
2981	F7-351A1-73-1-1, 7/24-S		"	o	2664
2982	F7-351A1-75-2-1, 7/15-S		"	oh	2668
2983	F7-351A1-84-1-1, ✱		"	h	2673
2984	F7-351A1-84-2-2,		"	o	2674

Ho 6 WT Red Bl

F7-351A1-84-2-2, K x S.

674 o 2985

F7-351A1-94-1-2, "

677 o 2986

do

678 o 2987

do

✓ oth 2988

F7-351A1-100-1-1, "

683 o 2989

Dup

do

683 results threshed Th 2990

3 sks

do

684 o 2991

1 sk

results threshed

F7-351A1-106-1-3, "

686 o 2992

Ho Co WT

2993 Fy-351A1-106-1-3, K x S o 2687
non shot

2994 Fy-351A1-109-1-3, " o 2690

2995 do + o 2691

2996 Fy-351A1-114-3-2, " o 2693

2997 Fy-351A1-115-4-1, " ot 2696

2998 2-32-2 (SxK) Crowley K Ca-86
7/8-7/17

2999 do o
7/8-7/16

3000 C2854-3, BR-41, ck. tr 92

Ho Co WT Bnd

2-32-2, KxS (Crowley)
-87 7/19 - 8/3 O 3001

2-32-20, KxS (Crowley)
-90 7/15 - 7/22 O 3002

do
7/16 - 7/23 O? 3003

2-32-20, KxS (Crowley)
-91 7/15 - 7/23 O 3004

F7-35/A1-120-1-1, KxS
699 7/15 - 7/21 O 3005

6066 - SxK (Crowley)
-5027 O 3006
Longer pencils than Bnd Tech. intermixed in shipment

1 Hr 1 pull

do + 3007

do Tr 3008
8/9 -

Ho Co WT led Br

6066-SXK (Crowley) tr Cr-5027

3009

do

3010 R otr ✓

1 ad tab, stiff stem seg pah.

do

3011 R + ✓

Hv stiff stem, clean plants, easily
1 ad threshed, very good, BK type, inept prod Hy
tab extra thin BK

do

3012 O ✓

do

3013 O ✓

do. V. good BK gr. type, watch

3014 SI Tr ✓

Hv
Heavy plants glowing some Co on 8/5.
BK growth habit 6/24

do

3015 8/6- otr SI ✓

do

3016 otr ✓

1 ad good BK type

Ho. Co WT Bk

6066- S x K (Crowley)

2-5027 8/3 o 3017

do o 3018

2832- S x K, (Crowley)

-5007 Seq o o 3019

Resembles K v BR's, Hv

a good BK type 2-subs

H Calady-40, ct. o 3020

8/10-8/20

2832- S x K (Crowley)

H-5007 ot 3021

8/2-5-

do ot 3022

do o 3023

do S o 3024

Very uniform Hvy Hvy

Sent S to C.O. Sent for Corp Inst

standing well on 12/7

Ho Co WT leaf Sr

2832 - SXK (Crowley)

3025		oh G-500
3026	do	h o
3027	do	o
3028	do	+
	tall & leafy on 7/21	
3029	do	o
3030	do	o
3031	do	o
3032	do	o

Box type, very little dist.
Hr flavor, gold bulb
1 dr
1 sel

Ho. Co WT leaf Bl

2832 - 5 x K. (Crowley) 0 3033
-5007

do 0 3034

do 0 3035

do 0 3036
2 sub
gold bells shatters very badly.
Has flaws

2-32-1-1, 5 x K (Crowley) 0 3037
-804
7/15 - 7/22

2-32-1-1 K & S (Crowley) 0 3038
-806
7/15 - 7/21

2-32-1-1, 15 x S (Crowley) + 0 3039
-807
7/11 - 7/20

Acadia, ck
7 0 3040

Ho Co Wt

3041 2-32-1-1, KxS (Crowley) 7/17 - 7/22 o a-809

3042 do 7/14 - 7/25 + o a-810

3043 do 7/14 - 7/23 o a-812

3044 do 7/15 - 7/27 + o a-814

3045 2-32-12-1, KxS (Crowley) 7/16 - 7/21 o a-815

3046 2-32-12-2, KxS (Crowley) 7/14 - 7/21 o a-817

F8 - 352A11-2-3-2, 2KxR.

3047 8/5 o 2419

Tall (slender grass) Ht 30"

do

3048 8/8 o 2422

Tall Purplish Pat. Large grass

	Ht.	Co	WT	Leaf Bl	
F8-352A11-2-3-2, kxR					3049
7/27-5-			o		
short					
F8-352A11-2-3-3, "					3050
8/8-			o		
short					
F7-352A1-21-1-1;1 kxR					3051
short grain,					Ht?
do -2					3052
long sl. grain				oh	Ht?
F7-352A1-21-1-2,-1 "					3053
much earlier than 3051/52			o		Ht?
med. grain					
F7-352A1-27-1-1,-1 "					3054
BK mat.				o+	Ht
Lvy straw, gold hulls					
Awns, tan hulls, hooded					
do -2					
✓					3055
easily threshed, v. small, qual.			o		Ht
V. late (Rio type)					
do -3					
			o		3056
Poorer shape than 3055, sl shorter than Ht					
Harder to thresh					
V. late					

Germination yield test 1942

	Ho	Co	WT	Leaf Br
3057 F7-352A1-38-1-3, K x R				0 2737
3058 do				0 ✓
3059 F4-3747B41-1, 4700 x Rexoro 8/5				oth
3060 Early Prolific, ct. 7/12-7/21				+ th 14
3061 F4-3747B41-2, ~~Ex~~ 4700 x Rexoro				0
3062 ~~do~~ 41-3,				" 0
3063 do 41-4, 8/1- Very little stuttering. Some excellent types present.				" 0
3064 do 41-5,				" 0

		Ho.	Co	WT	Left Br	
F4-	3747	B41-6,	4700	XR		
					o	3065
	do	41-7,	"		o	3066
	do	41-8,	"		o	3067
	do	41-9,	"		o	3068
	do	41-10,	"		o	3069
	do	41-11,	"		o	3070
	do	41-12,	"		o	3071
8/9-						
	do	41-13,	"		o	3072

Books Wks CI-4700

		Ho	Co	WT	Leaf Br
3073	F-4- 3747 B41-14 700 x R				O
3074	do 41-15, "				O
3075	F7-352AL-63-1-1, K x R (7/8 -S non-shatt)				O 2755
3076	F7-352AL-78-1-3, K x R (7/8 -S " non shattering)				O 2768
3077	F7-352AL-89-3-3, " much enlt than 3078. non-shatt				+ O 2788
3078	F7-352AL-89-3-4, " (del from this serial F2 Female pos in 1943 list) non-shat				O 2790
3079	F7-352AL-89-4-1, " 7/14-				O 2792
3080	Calot o, ck 7/15-				O 55

Ho. Co WT

F8-352A11-2-1-1 ~~H~~ K x R ○ 3081

798 7/24-5-

do 1 2 ○ 3082

7/20-5-

do -3 ○ 3083

7/31-

all are mem. sterility (not fairly uniform as a 37 type (comp. ab.) Many empty kernels & V. late types

F7-353A2-14-1-1, K x 7143 ○ 3084

815 7/13-7/21

Hn

Abortive mem. body

F7-353A2-18-1-2, " ○ 3085

822 7/15-7/24

F7-353A2-14-1-2, " ○ 3086

816

1-2

Hn

Look alike in habit

do ○ 3087

Hn

F7-354A1-5-1-1, SBR x 7143 ○ 3088

827

		Ho	Co	NT	Leaf Blt	
3089	F7-354A1-5-1-1, SBR x 7143				0	2828
3090	F7-354A1-5-1-2, " 7/21-8/2				0	2829
3091	do " 7/20-8/5				0	2829
3092	F7-354A1-13-2-1, " 7/15-S-				0	2830
3093	F7-354A1-13-2-3, " 7/19-S				0	2832
3094	F7-354A1-13-5-2, " Rank growth, Compact head, Hay stem, rotten tall			R	0	2841
3095	do " same as 3094			R	0	2842
3096	F7-354A1-14-7-1, " 8/2-			S	0	2847

Ho Co WT Leaf Rst

F7-354A1-14-7-1, SBRx7143

2847 S O 3097

8/9-

do

✓ S O 3098

8/6-

F7-354A1-14-7-2, "

2849 S O 3099

7/21-S-

7 Shocmed, ck. tr 3100

8/2-8/2

F7-354A1-14-7-2, "

850 S O 3101

7/21-S

do

✓ 0-tr 3102

F7-354A1-14-7-3,

2854 S KO 3103

Annular to all organisms
single plate med test in 1942
Very good check this lot
Test K x R Line in pink tot

do

✓ 7/10-S- R O 3104

Wide resp. for motility Very good
CO resistant types present (short rod gr)

Ho Co WT leaf Br

Fy-354A1-14-7-5, SBR#7143

3105 7/20 – S – o-tr2861

Fy-354A1-14-7-6, " o2863

3106 7/15 – S –

3107 do " o ✓

7/20 – S –

3108 do " o ✓

7/20 – S –

wide mat. range.

2a form a mall cross as gold + smooth types are present

3109 do o+✓

7/21 – S –

Fy-354A1-14-7-9, " o-tr2866

3110 7/21 – S –

Fy-354A1-14-8-1, " tr2868

3111 8/3 –

Fy-354A1-14-8-2, " tr 2870.

3112

Ho Co WT Lead Bk

FJ-354A1-14-8-2, SBRx7143

2871 o 3113

FJ-354A1-14-8-4, " o 3114

2874 7/27-S 8/13

FJ-354A1-34-2-4, " + 3115

2886 Hw

do + 3116

2888

do o 3117

2889 8/9-

do BK-type o 3118

2890 Hw

do BK-type o 3119

Fortuna ck. o-+ 3120

8/5-

Ch = These rows have Chlorotic plants which is more of a yellowing than typical leaf Burning

		Ho	Co	NT	Leaf BR
3121	F7-354A1-34-2-4, SBR x7145				BR-type 2890 o.tr
3122	F7-355A2-15-1-3, (ExF)x7143 Ho — some tillers Long-grain, about BR maturity (a bit earlier) V. uniform				o 2893
3123	F7-357A1-32-1-2, SPx7143 7/15-S-				+2910
3124	F7-357A1-32-1-3,		"		+2911
3125 1st	do 8/4-8/12 V. uniform long-grain		"	Mod	o 2912 ch
3126 1-st	F7-357A1-32-1-6, 7/17-S-		"		tr 2917 ch
3127 Ho 1st	do 31 24 26-30 34-35		"		tr ch
3128 1st	F7-357A1-32-1-7,		"		Ch 2919

All long awned plants very uniform in growth & type

Ho Co NT leaf Bk

F7-357A1-32-1-7, SPx7143 3129
919 o

F7-357A2-2-2-1, SPx7143 3130
923 o-th
7/27-S-

F7-357A2-12-1-1, " V. long aud. 3131
927 d

F7-356A2-4-1-3, Vintulax 7143 3132
901 o-+

F7-357A1-10-1-1, SPx7143 3133
904 o
7/24-S-

F7-357A1-32-1-1, " 3134
906 o+
8/3-

do 3135
908 th

F7-358A3-25-1-2, Kx4700 3136
948 o+

		Ho Co WT	
3137	Fy-358A3-25-1-2, kx4700		tr 2948
3138	do for coop ch expt.		dl tr 2950
3139	do		dl tr 2951
3140	Lady Wright, ck. 7/15-7/23		15
3141	Fy-358A3-25-1-3, kx4700		0 2964
3142	Fy-358A3-25-3-2,	"	0 2984
3143	Fy-358A3-30-5-1, 8/8-8/22	"	0 3010
3144	d. 8/19-8/23	"	tr ✓

Ho Co NT Lwf Br.

F7-359A2-12-2-3, (E x F) x 4700

023 o ch+ 3145

F7-359A2-43-2-1, " o 3146

026

F7-359A2-46-2-2, " ++ Blotch 3147

027 all late 1-sel

do + (trace blotch) 3148

8/10-per

all late do + ++ blotch 3149

do + (trace blotch) 3150

8/10- all early

do (++ blotch) 3151

029 8/10-per

all very severe blotch Sept

F7-3510A2-1-1-1, L x 4700

031 8/2- o ch 3152

Ho CONT Lud Bld

F7-3510A2-1-1-1, L x4700

3153 8/2- 0303/

F7-3510A2-16-3-3, "

3154 0304/

F7-3512A38-5-2 (SPxSJ)xSBR off-type

3155 8/2-5-8/24 +2051

do stiff shaw

3156 8/9-8/24 +2051

do

3157 8/9-8/24 +205)

F7-3512A38-5-3, "

3158 8/19-8/24 +2052

do

3159 8/19-8/24 + ✓

Edith, ck.

3160 7/18-7/30 to 33

			No.	Co NT leaf Br.
F7-3512A2-41-3, (SP×SJ)×SBR. 2507			0	3161
F7-3512A2-41-2, 2509		"	0	3162
this row should be removed & an arranged nursery list very outstanding				1da 1sel
✓	do		0	3163
F7-3512A38-1-4, 510		"Club-pan tissue	0	3164
8/10 – 8/24 up on 9/11 v. good germ before				1da
F7-3512A38-25-3, 511		"	0	3165
was grown on yield test in 1942 very good except for dwarf plants Breeding value poor 10/8/4				1da
F8-3516A36-1-1-1, (E×BR)×SBR 438			+	3166
7/21 – 7/30				
F8-3516A1-1-3, 2442		"	+	3167
8/11 – 8/24				
✓	do		+	3168
8/8 – 8/24				

all these rows are very pronounced dwarfs (Dwarf placed before like 3715A 3626 but also no plus humps)

HO CONT leaf Bk. 2

FS-374A3-14-2, (E×F)×(E×F) Earlier than av 0225l

3169 7/21-8/1

Blue leaf

FS-374A3-20, "

3170 7/31-8/10 0-+2255

Blue leaf.

do "

3171 7/24-8/5 0 ✓

Blue leaf.

do "

3172 8/1-8/9 0 ✓

Blue leaf.

FS-374A3-13, "

3173 7/23-8/2 0-+2249

Blue leaf

FS-374A3-11, "

3174 7/27-8/7 +2248

Blue leaf

do "

3175 7/22-8/3 02248

Blue leaf

FS-374A3-14-2, "

3176 7/21-8/2 0 2251

Blue leaf

HO. CONT leaf B2

FS-374A3-14-1, (ExF)x(ExF)
2250 o-h 3177
7/24-8/4

Blue leaf
FS-374A3-14-3, "
2252 o 3178
7/24-8/2

Blue leaf
FS-374A3-15, "
253 o-h 3179
7/25-8/3

Blue leaf
1 Zenith, ck. + 3180
7/19-7/29

FS-375A2-8, (ExF)x(ExBR)
257 + 3181
7/22-8/1

FS-375A2-9-1, "
258 + 3182
7/23-8/3

FS-375A2-9-2, "
259 tr 3183
7/24-7/29

FS-376A2-10, (IBRxF)xS Club-pan. type
4570 6 3184
7/27-8/5 ch

Other Selections from 376A start with 3559

No.	Cont	Ind Bk	
F4-379A3 (K x H) x (SP x SS)			
3185 8/9 -		tr	4573
F4- 3186 7/31 -	do	o	4574
3187	do	o	✓
3188 7/30 - 8/10	do	o	4582
club type panicle.			
3189 8/3 -	do	o	4584
3190 8/8	do	o	4595 (ch 1)
3191 8/11	do	o	4597 (ch 1)
3192 8/3	do	o	✓ (ch 1)

No. CoWT Leaf Br.

F5-379A1-4-D2, (KxH)x(SPxSJ)
378 8/1- o 3193

F5-379A1-8-D2, "
379 8/19 th o 3194

do
8/21 o 3195

F5-379A1-8-D4, "
383 8/20 o 3196

F5-379A1-41-D1, "
384 8/20 o 3197

F5-379A1-41-D2, "
385 o-th 3198
8/2- grown in yield test to (ch) determine ability to yield. Has very good grain qualities. Possibly a good line to cr. with KxN x Bk line. Hv

F5-379A1-15, (KxH)x" BR
295 8/8- o 3199 (ch)

9 Nira, ck
8/8 - 9/19 o-th 3200

do CONT Bk

3201 FS-3715A30-9, F(3512A) SBR 02232 8/4-

3202 FS-379A1-24-2, (K x H) x (SP x SJ) 2301 7/31-8/10 o.h. ch 1

3203 do " 8/2-8/10 ch 1

3204 FS-379A1-5-1, " 8/1- 0 2536 ch 1

3205 FS-379A1-41, " 8/19- 0 2538 ch 1

3206 FS-379A1-52, " BK-type 2541 8/19 Have good grade Trace Junction in the K-H BK. Two BK's have good core. Plug hole. o-# ch 1

3207 do " BK type 8/19 good grade in the K-H BK. 3207 no command 3206 core. Plug hole. Two BK's have good core. Plug hole. 3206 longer grain than 3206 not as good as 3206 not as good as 3206 ch 1

3208 FS-379A1-61, " 8/19- 0 3344 ch 2

Ho. Cowt Red Bl

F4-379A2- (K x H) x (SP x SS)
559 8/19 + 3209

F4-379A3- " 0-th 3210
598 8/4- (ch 1)

do " 0 3211
8/19- (ch 1)

F4-379A4- " short-grain 3212
607 8/19- 0

F4-379A4- " 0 3213
618 8/9-

F4-379A6- " 0-th 3214
622 8/24 (ch 1)

F4-379A6- " 0 3215
626 8/23- (ch 2)

d th 0 3216
8/24

			Ho	Co	WT	Lewis Bk
	F4-379A6-(K x H) x (SP x SJ)					
3217	8/10-8/21					0 4626
3218	do 8/24	"				0 4629
3219	do 8/26	"		+	0	✓
	HW					
3220	Delitus, ck 7/26-8/6					51 + all ck
3221	F4-379A6- 8/24	"				0 4629
3222	do 8/24			+	0	✓
3223	F4-379A6- 8/19-	"				0 4716
	HW					
3224	do 8/18-					0 ✓

12 normal - 3 short Dwarfed plants

Ho Co WT Leaf Bl

F5-3711A2-26, (K x H) x (SP x SJ)

3411 3225

o

F3- 3713A1, Shoemedx Rexo+8 3226

8/5 - 8/20 o

A2, 3227

7/28-5- +

A3, 3228

8/10 - 8/22 beg grain length o Ho

A4, 3229

7/26 - 8/12 o

A5, 3230

8/2 - 8/18 o.h (d)

A6, 3231

7/28 - 8/8 o

A7, 3232

8/3 - 5- +

Ho Co WT leaf Bl

3233 F_3 - 3713A8, Shoemed x Rexoro +
8/1 -S-

3234 A9, " 0
7/27 -S-

3235 A10, " 0
8/6 -S-

3236 A11, " 0-+
7/27 -S-

3237 A12, " 0-+
8/5 -S-

3238 A13, " 0-+
8/14 Has longer heads than others
Watch mk 3

3239 A14, " 0
8/3 -S-

Colusa, ck.

3240 0-+ 6
7/10 - 7/20

Ho. Co WT Lab Bd

F3, 3713A15, Shoe med x Rexoro

8/2 -S- o 3241

A16, " th 3242

8/3 -S-

A17, " o 3243

8/14-
appears to have better quel than most
roots. withdrawn 43

A18, " o-th 3244

7/27-8/12

A19, " o 3245

8/14-

A20, " o 32462

8/10-

A21, " o-th 32473

7/22-

A22, " o 3248

8/5-8/24

Ho Co WT leaf Br

F3, 3713A23, Shoemed x Rexoro

3249 7/21-S- ○

A24, " ○

3250 7/21-8/24 Hw

A25, " ○

3251 8/3-8/16

A26, " ○ ch 2

3252 7/27-S

A27, " ○

3253 7/28-8/19

A28, " ○ ch 1

3254 7/21-S-

F5-3715A12-4-D3, F1(3512A) x SBI

3255 ○ 2063

F5-3715A4-11-1, " ○+2191

3256 7/21-9/5

Ho 60 WT leaf BR

FS-3715A4-11-1, F1(3512A)xSBR
2191 8/24 + 3257

do " tr 3258
8/24-

FS-3715A4-13-1, " + tr 3259
2194 8/17-

27 Rexoro, clk o 3260

FS-3715A6-5-2, " + o.tr 3261
2197 8/10-

FS-3715A6-5-3, " + otr 3262
2198 8/15-

FS-3715A6-5-4, " o 3263
2199 8/16- 8/22
Similar to 33,10-14, less area even Dr
Rolled leaf types. Very uniform more reduced also tr
FS-3715A6-8-2, " + o 3264
2203 8/16-

Ho Lo WT Col Br

FS-3715A6-8-2, F1(3512A)xSBR

3265 8/18 – " o+2203

FS-3715A22-1-1 " o+2222

3266 8/10 –

3267 8/10 – do " o ✓

3268 8/2 – do " o ✓

3269 8/1 do " o ✓

FS-3715A22-1-2, " o 2223

3270 NR

3271 do " o ✓

Creamy heads
Look very good
Both look alike

rather cut 3271
had less degree of cut
was standing better
than 3270 - Prob
grew 3271

FS-3715A22-1-3, "

3272 8/1 – 8/15 o 2224

Ho. Co WT Leaf Br

FS-3715A22-1-3, F1(3512A)xS BR

2224 0 3273

7/27 - S ✓

FS-3715A22-1-4, "

2225 oth 3274

8/5 -

do

oth 3275

8/3 - S - 8/20

FS-3715A23-3, "

2226 oth 3276

7/7 - S - 8/24

do

✓ oth 3277

8/10 - 8/22

FS-3715A30-3-2 Ho resist

2229 (good to cross with 2854-S.) 3278

R S + O

8/19 - 8/24

FS-3715A30-7 HO = "R CO = S

2231 2f slightly Ho resist Cross with C2854-3 3279

8/10 - 8/22 R S O

24 Blue Rose, Ck.

+ oth 3280

Ho Co WT

F5-3715A4-5, F1(3512A) x SBR Co-S

3281 Sand acc. highly productive + 0 2512

8/10-

F5-3715A9-6, "

3282 0 2514

do "

3283 0 ✓

F5-3715A9-8 "

3284 + 2515

F5-3715A9-2, V. stiff shav

3285 0 2517

F5-3715A12-1-1, "

3286 tr 0 2521

do

3287 0 ✓

do

3288 0 ✓

Very good BK

Ho Co WI Bl

F5-3715A12-1-1, F1(3512A)SBR
521 o 3289

F5-3715A12-1-2, " o 3290
522

do " oh 3291

F5-3715A38-4, " v. good o 3292
534 8/19 - 8/24

do " o 3293
8/21-

do " o 3294
8/21

do " o 3295
8/20-

F5-3715A12-9, " o 3296
451

Ho Cont Wt Bl

F5-3715A12-9, F1(3512A) x SBR

3297 8/23 - 03458

F5-3715A12-10, " dey oth 3461

3298 8/25

F5-3715A15-4, " 03467

3299 8/20

C2854-3, BR-41, Ck. tr 92

3300 8/22 -

F5-3715A15-4, " tr 3468

3301 8/24

do

3302 8/24 Sey o-th 3469

NW Rplnts

F5-3715A15-5, " oth 3470

3303 8/21

F5-3715A21-2, " 0 3479

3304 8/24

Ho. Co WT leaf Br

F5-3715A21-2, F1(3512A)xSBR.

481 8/21 0 3305

F5-3715A24-10, " 3306

487 Standing up better than 5ey oth

5th round, Nw R plants

F5-3715A24-11, " 3307

488 8/24 oth

do " 3308

✓ 8/24 oth

F5-3715A28-1, " 3309

3495 oth

F5-3715A36-6 3310

3497 8/17-8/23 →R oth

Was grown in mesh test Very poor. Has a reduced leaf area and many lateral branches. Leaf set true to variety. Low set of leaves. Co standard

do 3311

✓ 8/17-8/23 →R oth

do 3312

✓ 8/18-8/23 →R 0 (ch.)

Had 1877 pre plants

Ho Co WT Lab 82

F5-3715A36-6, F1(3512A) x SBR

3313 8/17 - 9/23 ♀ ○ 3497

do

3314 8/17 - 8/23 Seg ○ ✓

Sand around 5 plants from this row

F5-3721A1-5-1, CA x Cdy

3315 8/22 ○ 2311

F5-3721A1-12-1, "

3316 8/15 - 8/22 ○+2316

F5-3721A1-12-2, "

3317 8/17 - 9/24 +2317

F5-3721A1-12-3, "

3318 9/11 - 8/22 +2318

F5-3721A1-14, "

3319 9/11 - 8/25 +2319

Caldy-40, CK.

3320 8/14 - 8/21 ○ 41

	Ho Co WT leaf Br		
F5-3721A1-15-1, 321 8/17-8/25	CA x Cdy.	ot	3321
F5-3721A1-16, 323 8/18-8/20	"	o	3322
✓ 8/4-8/18	do	o	3323
✓ 8/10	do	o	3324
F5-3722A1-3-1, 544 7/22-8/2	F x BR.	o	3325 1-E
(allot on 6/23 like Ep in next growth)			
F5-3722A1-5-1, 679 8/1-8/9	"	o	3326 1-E
F5-3722A1-8-1, 681 7/21-8/1	"	oh	3327 1-E
F5-3722A1-13-1, 683 7/21-8/1	"	o	3328 1-E

Ho Co NT Bd

F5-3722A1-14-1, F x BR

3329 7/17-7/27 ++3686

F5-3722A1-19-4, "

3330 8/1-8/9 +3693

1-E

do "

3331 7/30-8/10

F5-3722A1-19-5, "

3332 7/26-8/5 ot 3694

F5-3722A1-23-3, "

3333 7/27-S- ot 3698

do "

3334 8/1-S- T o

F5-3722A1-23-4, "

3335 Dur 7/21-S-8/1 o 3701

F5-3722A1-24-1, "

3336 7/18-S- o 3702

	No.	Co	WT	Lod	BR	
F5-3722A1-28-1, 704 8/3-8/10	F x BR			0		V. good 3337
F5-3722A1-29-2, 706 7/20-7/27	"			oth		3338
F5-3722A1-30-3, 708 8/3-8/10	"			0		3339 2-E
Tall west-6/23. 7 Acadia, Ck.				0		3340
F5-3722A1-30-3, 708 7/22-7/30	"			0		3341 1-E
Tall west on 6/23 F5-3722A1-32-1, 710 7/21-7/30	"			0		3342
✓ 7/22-8/1	do			0		3343
✓ 7/20-8/1	do			0		3344 1-E

Ho Co NT Leaf Br

F5-3722A1-34-1, F x BR

3345 7/26-8/3 o+3711

do " t+ v

3346 7/21-8/3

F5-3722A1-34-2, "

3347 7/20- 7/29 o 3712
1-E

do

3348 7/20-7/29 o+ v
1-E

do

3349 7/20-7/29 o+ v

CALoro - Calif. 1939,

3350 Normal from 1929 Cal-Tetra o
looked much lower than on color in 1941
7/27-8/9

Early shoot about 7/4

F5-3722A1-35-1, F x BR

3351 7/21-5- 3714
o+

do

3352 8/1-9/11 o+ v

Ho Cont Ind Rel

F5-3722A1-35-2, F x BR

7/15 7/22-8/1 of 3353

do " + 3354

7/22-8/1

F5-3722A1-36-1, " o 3355

7/16 7/26-8/3

Tall, rated 6/23

do " o 3356

7/20-8/3

Very tall; erect 6/23

do " o 3357

7/22-8/5

Tall erect 6/23

do " o 3358

7/21-8/1

Tall erect

F5-3722A1-36-2, " o 3359

7/17 7/25-8/3

14 Early Prolific, ck + 3360

7/10-7/20

Tall erect 6/23

Ho Co Wt. Leg Bk

F5-3722A1-36-2, F x BR

3361 7/26-8/3 ♂ 3717

Tall 6/23

3362 7/22-8/3 do " ♂ 3 ✓

F5-3722A1-40-1, "

3363 8/2-8/8 ♂ + 3718

1-2

3364 7/24-8/3 do " ♂ ✓

1-2

3365 7/25-8/5 do " ♂ ✓

1-2

3366 7/24-8/5 do " ♂ ✓

F5-3722A1-41-1, "

3367 8/7- ♂ 3719

3368 8/8- do " ♂ ✓

1W

Ho 6 WT Leaf Br

F5-3722A1-42-1, F x BR
721 7/26- 8/3 0 3369

F5-3722A1-42-4, "
724 7/21- 8/2 0 3370

do "
7/28- 8/4 0 3371
1-E

F5-3722A1-43-1, "
726 7/27- 8/4 0 3372

do "
7/20- 8/5 0 3373

F5-3722A1-44-1, "
727 8/3- 0 3374

F5-3722A1-44-2, "
3728 7/21- 8/3 0 3375
Tall 6/23

do "
7/19- 7/27 0 3376
Tall 6/23

Ho Co WT leaf B2

F5-3722A1-44-2, F x BR

3377 7/19-7/27 0 3728

F5-3722A1-48-1, "

3378 8/3-8/15 0 3731

do "

3379 8/12- 0 ✓

Caloro, CK 55

3380 8/5-8/14 0

F5-3722A1-48-1, "

3381 8/1-8/12 0 3731

F5-3722A1-48-2, "

3382 8/8- 0 3732

1-2

do "

3383 8/3-8/15 0 ✓

F5-3722A1-49-3, "

3384 7/19-7/27 + 3735

Ho 6 WT Lwf Br

F5-3722A1-49-3, F x BR, h 3385
735
7/15-7/24

F5-3722A1-50-1, " o 3386
737
7/20-7/29

do " o 3387
7/18-7/28

F5-3722A1-50-2, " + 3388
738
7/14-7/27

do " + 3389
7/19-7/29

do " o 3390
7/20-7/28

F5-3722A1-50-3, " oth 3391
739
8/1-8/10
1-E

do " oth 3392
7/20-8/12

Ho Cont leaf 52

F5-3722A1-50-3, F x BR

3393 7/20 - 8/4 + 3739

do " +

3394 7/20 - 8/10 +

do " +

3395 7/25 - 8/10 +

1-2

F5-3722A1-172-1, "

3396 7/13 - 7/23 - 0 3841

F5-3722A1-191-1, "

3397 8/10 - 0 3847

1-2

F5-3722A1-187-1, "

3398 7/30 - 8/10 0 3846

F5-3722A1-191-1, "

3399 8/3 - 8/14 0 3847

Shoemod, ck

3400 7/22 - 8/5 tr 7

	Ho. Co WT leaf BR		
F5-3722A1-194-2, 850 7/20-7/28	Fx BR	o	3401
F5-3722A1-201-1, 855 8/4-8/14	"	o	3402
F5-3722A1-203-3, 859 7/21-S-8/12	"	o	3403
F5-3722A1-51-1, 742 7/27-8/10	"	o	3404
do. 7/27-8/4	"	o	3405
do. 7/27-8/14	Dir not shutter	o	3406
do. 7/30-8/14	"	o	3407 2-E
F6-3722A1-51-3, 743 8/1-8/14	"	+	3408

Ho Co MT 6/24 Leaf BR

F5-3722A1-52-5, F x BR

3409 8/3 3745 oth

do " 0 ✓

3410 8/2 1-2

do " ot ✓

3411 8/2

do " oth ✓

3412 8/14-

F5-3722A1-55-1, "

3413 7/14-7/24 3746 oth P
Ho for comp. ✓ + 6/24

F5-3722A1-55-2, "

3414 7/20-7/28 3747 D?
Ho for comp. ✓ + 6/24

F5-3722A1-64-1, "

3415 8/3-8/12 3752 + 0

do "

3416 8/3-8/15 ✓ 0

Ho Co WT Leaf Br

F5-3722A1-66-1, F x BR

54 7/19 -S- o 3417

do " o 3418

7/15-S

do " o 3419

6/26 -S
1E

Fortuna, ct.

o 3420

8/10-8/20

F5-3722A1-66-3, —

56 8/2-S- o 3421

F5-3722A1-66-4, "

57 8/9-8/17 o 3422

do " o 3423

8/1-

do " o 3424

7/31-S-

Ho 6 WT Leaf Br

F5-3722A1-68-1, F x BR

3425 7/16-7/30 3758 ot

F5-3722A1-69-2, "

3426 7/14-7/25 3763 o

do "

3427 7/15-7/29 o

F5-3722A1-72-2, "

3428 7/20-8/3 3769 o

do "

3429 7/19-8/4 o

do "

3430 7/27-8/3 ot

do "

3431 7/18-8/3 o

F5,-3722A1-72-3, "

3432 7/19-8/3 3770 tr

Ho. Co WT Leaf Br

F-5 - 3722A1-75-2, F x BR

3775 7/15 - 7/25 + 3433

F5- 3722A1-75-3, " + 3434

3776 7/18 - 7/28

do " + 3435

7/20 - 7/30

F5- 3722A1-81-1, " 0 3436

3785 7/13 - 7/27 1-E

F5- 3722A1-85-1, " thr 3437

3787 8/1 - 8/10

F5- 3722A1-86-1, " 0 3438

3788 7/13 - 7/22

do " 0 3439

7/13 - 7/25

Lady Wright, Ck. 0-th 3440

7/15 - 7/26 Rupe 8/14

Ho Co WT leaf BR

F5-3722A1-86-2, F x BR

3441 7/30-S- 3789

F5-3722A1-87-1, "

3442 7/13-7/21 3790

F5-3722A1-93-1, "

3443 7/17-7/27 3792

2-E. all plants have some Co foreign hemp hair & some shatter

do

3444 7/19-7/27 ✓

(2E) 1-E Very shortest & earliest used as parent in 1942 Crosses

do "

3445 7/20-8/1 ✓

1-E late & tall

do "

3446 7/20-8/1 ✓

2-E. latest & tallest

do "

3447 7/17-8/5 ✓

1-E

Maybe slightly later than other 93-1 selections 6/24

do "

3448 7/16-7/27 ✓

5-E

Do Cont Leaf Br

F5-3722A1-93-1, F x BR.
792
7/18-7/29 o 3449
2-E

F5-3722A1-126-1, "
813
7/15-7/27 o 3450

F5-3722A1-126-2, "
814
7/14-7/26 o 3451

F5-3722A1-135-1, "
825
7/16-7/27 o 3452

do "
✓
7/4-7/22 o 3453

F5-3722A1-137-2, "
830
7/14-7/27 o 3454

F5-3722A1-142-2, "
3835
7/8-S o 3455

F5-3722A1-142-3, "
3836
7/15-S o 3456

		Ho	Co	WT	Lead Bk	
	F5-3722A1-142-3,			Fx BR		
3457	7/10-S					3836
	F5-3722A1-142-5,			"		
3458	7/9-S					3838
3459	8/6- do			"		
3460	Edith, ck. 7/15-7/27					33
	F5-3722A1-142-6,			"		
3461	7/17-S-8/4					3838
3462	7/15-7/27 do			"		
3463	F5-3722A1-204-5,			"		
	7/20-S-					3865
	F5-3722A1-218-1,			"		
3464	8/3					3871

Ho 6 WT Lead Br

F5-3722A1-218-2, F x BR

872 7/27- 0 3465

do " 0 3466

7/31-

do " ot 3467

7/27-

F5-3722A1-227-3, " + 3468

881 7/18-7/27

F5-3722A1-227-4, " + 3469

882 7/20-7/31

F5-3722A1-227-6, " + 3470 1-E

884 7/11-7/24

do " + 3471

884 7/15-7/24

F5-3722A1-275-3, " + 3472

9/6 7/20-8/3

		Ho	Co	MT	Level Br
	F5-3722A1-204-1,			F x B R.	
3473	7/20-8/1			+	3861
	F5-3722A1-204-5,			"	
3474	7/15-S-			o+	3865
	F5-3722A1-17-1,			"	
3475	7/30-			+ +	3689
	F5-3722A1-23-1,			"	
3476	8/2-			+ +	3696
	F5-3722A1-49-1,			"	
3477	7/15-S-			+	3733
	F5-3722A1-49-3,			"	
3478	7/30-			+	3735
	F5-3722A1-51-1,			"	
3479	8/3			+	3741
	Zenith, <u>ck.</u>				1
3480	7/15-7/26			+	

Ho. Co NT Leg Br

F5-3722A1-51-1, F x BR
1941 8/3- O 3481

F5-3722A1-51-4, "
1944 7/27 O 3482
standing much better than other 1/2
same on 10/14/42

do "
8/3- O 3483

F5-3722A1-52-5, "
1945 O+ 3484

do "
7/16-S- O 3485

F5-3722A1-64-1, "
1952 8/10- O 3486

F5-3722A1-66-1, "
1954 O 3487

F5-3722A1-68-1, "
1958 O 3488
2-K

Ho Co WT Test Bar

F5-3722A1-68-1, F x B R.

3489 7/20 + 3758

F5-3722A1-68-2, " + 3759

3490

F5-3722A1-71-1, " + + 3766

3491

do " + ✓

3492

F5-3722A1-72-1, " tr 3768

3493

3494 do " + ✓

3495 do " o ✓

3496 do " o ✓

Over size test bar

Ho Co NT

F5-3722A1-72-3 FxBR

770 + oth 3497

3 lates

✓ do " + oth 3498

772 F5-3722A1-73-1, " (oth?) 3499

2 subs

769 Nira, ck

8/14 0 3500

772 F5-3722A1-73-1, " 0 3501

lat

Both of these rows are much alike: any good

F5-3722A1-75-1, "

774 + 3502

F5-3722A1-75-4, "

777 + 3503

✓ do + 3504

Ho 6 WT leaf Rt

F5-3722A1-75-5, FxBR

3505 Very good BK type (mod R shape) + 3778

Do "

3506 Very good BK type mod like Ped + ✓

Nr 2 sds 2 probable BK mat.

Very productive stiff straw

F5-3722A1-77-1, "

3507 0 3781

F5-3722A1-78-2, "

3508 + 3783

F5-3722A1-81-1, "

3509 7/15-S + 3785

Do "

3510 7/15- + ✓

F5-3722A1-86-1, "

3511 0 3788

F5-3722A1-87-1, "

3512 + 3790

Ho CONT Leaf Br

F5-3722A1-104-2, F x BR
798 7/15-S- o 3513
1-lste

F5-3722A1-111-1, "
802 + 3514

F5-3722A1-127-2, "
817 7/27-S- o 3515

F5-3722A1-128-2, "
819 7/27-S + 3516

do "
✓ 8/2- + 3517
1 sel

do "
✓ 7/27-S- + 3518

F5-3722A1-133-1, "
3822 7/15-S- o 3519

51 Delitus, CK
7/27- ++ (d) 3520

Ho 60 WT Leaf Br

F5- 3722A1-133-1, F x BR

3521 3822
0

do "

3522 ✓
0

4 sds very good

F5- 3722A1-133-2, "

3523 7/20-S- 3823
ot

F5- 3722A1-136-3, "

3524 3828
ot

F5- 3722A1-137-2, "

3525 7/29-S- 3830
+

F5- 3722A1-139-3, "

3526 3833
++ +

do "

3527 ✓
+ +

do "

3528 ✓
+ +

Ho Co WT Grd Br

F5-3722A1-142-2, FxBR

835 3529

+ 0

1 sel

do "

✓ + + 3530

Tall, late, lvs probably than BR, should be very high yielding 1 sel

F5-3722A1-142-3, "

836 7/26-S- 3531

0

1 sel

F5-3722A1-142-4, "

837 7/19-S 3532

+

1 sel

do "

✓ 7/16-S- 3533

a+

F5-3722A1-142-5, "

838 3534

+

F5-3722A1-176-1, "

842 ✓ 3535

+

F5-3722A1-204-2, "

886 ✓ 3536

7/19-S+

Ho Co Not Ind

F5-3722A1-204-6, FxBR

3537 3866 +

F5-3722A1-218-1, "

3538 8/8 - 3871 0

do "

3539 8/9 - ✓ 0

Colusa, Ct. 6

3540 7/7-7/16 0

F5-3722A1-226-1, "

3541 7/27- 3874 0

F5-3722A1-226-3, "

3542 3876 0

2 sets

do "

3543 ✓ 0

F5-3722A1-227-3, "

3544 7/20 - S - 3881 +

Ho Cont leaf

F5-3722A1-227-3, F x B R

881 7/27-S- ++ 3545

do " 3546

7/26-S- + 3546

do " 3547

+ 3547

F5-3722A1-229-2, "

887 7/26-S- 0 3548

F5-3722A1-238-1, "

888 0 3549

1 ear

F5-3722A1-238-2, "

889 + 3550

F5-3722A1-238-3, "

890 0+ 3551

Sm

F5-3722A1-239-3, "

893 8/10- 0 3552

Ho Cont Left

F5-3722A1-239-4, FxBR

3553 3894
+
1sd

F5-3722A1-239-5, "

3554 3895
9/10- 0
1sd

do "

3555 ✓
8/8- +

F5-3722A1-253-1, "

3556 3899
7/14-S- 0

do "

3557 ✓
7/15-S- 0

F5-3722A1-266-b "

3558 3904
8/9- 0

F5-376A1-1-3, (IBRIF) xS

3559 2282
0+

Rexoro, ck. 87

3560
0

Ho Gmt leaf Bl

F5-376A1-1-4, (IBRxF)xS

283 3561

F5-376A1-1-6, " + 3562

285

F5-376A1-4-1, " + 3563

287 8/3 -

do " + 3564

7/30 -

F5-376A1-4-4, " 3565

290 8/2 - +

F5-376A2-4-1, " 3566

261 8/2 +

F5-376A2-5, " + 3567

263 7/28 -

do + 3568

7/20 - S1

Ho LOWT leaf B2

F5-376A2-7-2, (IBR×F)×S

3569 7/20-S- Mixed Parents; row of 2265
7 sib Best 376 line Very stiff sturdy
straw, straw is large, not very tall

do "

3570 7/14-7/25 th ✓

do "

3571 7/13-7/25 (9/8) th ✓
Hv.

F5-376A2-7-3, "

3572 8/ + th 2266

F5-376A2-7-4, "

3573 7/25- ot 2267

F5-376A2-8, "

3574 9/8- + 2269

F5-376A2-11-1, "

3575 8/4- ot 2271

do

3576 9/1- + ✓

Ho Co WT Bl

F5-376A2-19-1 (IBRxF) xS 3577
1919 tr

Shoemed, Ck. + 3578
7 7/27-

F5-376A2-19-1, " + + 3579
1919 1sel

Blue Rose, Ck. + 3580
'4

F5-376A2-19-1, " tr 3581
1sel

F5-376A2-19-2, " ot 3582
1921 8/8 1sel

F5-376A2-19-3, " 0 3583
1922 8/3

F5-376A2-20-1, " + 3584
1923 8/4

Ho GWT Leaf Br

F5-376A2-22-1, (IBR x F) x S

3585 9/7- 3925 alth

F5-376A2-24-2 (IBR x F) x S

3586 7/24- + tr 3928

F5-376A2-28-2, "V. little shattering

3587 3936 0+

F5-376A2-28-3, "

3588. 0 3937

F5-376A2-29-1, "V. little shattering

3589 8/5- + 0tr 3938

F5-376A2-30-3, "

3590 ++ 0 3942

F5-376A2-30-4, "

3591 ++ 0 3943

F5-376A2-32-1, "

3592 8/4- + 0 3946

Ho Co WT Ind Co

F5-376A2-33-2, (IBR, F) x S. 3593
1948 of

F5-376A2-34-5, " 3594
1953 +

F5-376A2-35-1, " 3595
3954 +
8/3-

F5-376A2-36-1, " 3596
3955 + of

F5-376A2-37-1, " 3597
3957 + +

do " 3598
✓ +

F5-376A2-37-2, " 3599
1958 +

2 C2854-3, BR-41, <K 3600
+

To diagram for comparable checks

9/5 2486

9/5 2487 + 97

3413 not Hv

3414 not Hv.

Early date to harvest

2576

not Hv 2436 and use for reading 143 plots

Hv 9/5 2022

Hv 9/5 2086

Hv 9/5 2492

2505

9/5 2519

9/5 2521

9/5 2534 35

3125

3143

3144 } not Hv

3164

3084

3571

2474	CI-5398
2564	
2569	
2609	
2642	cut 10/5
2648	
2658	} differ in grain length only
2659	}
2663	
2665	
2668	wrong row in mms. for leaf hairiness early in season, looks good at maturity stalk, Deleter topped co reaction
2685	
2693	
2727	
2737	
2764	
2765	
2766	
2834-37 (?) (stalk)	not Harvested
2865	
2874	
2878	
2885	
87	
93	1 pl from 2894 bu. with seed of 2893 by mistake
2910	
2919	
2922	
43	} for coop crossing expt.
44	}
71	} grow only if glutinous
72	}
89	
3006	
3011	
3014	
3019	

3024 Same for Coop-Cr. expt.
3032 Rerun per. with fleur
3048
3051
3052
3053
3054
3055
3056
3084
3094 3087
3127
3138
3162
3164
3165
3198
3206
3207
3219
3223
3228
3250
3263
3270 3271
3288
3302
3306
3310
11
12
13

1942

RICE BREEDING EXPERIMENTS

BOOK - II

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

CEREAL CROPS AND DISEASES

AGRONOMIC NOTES

SPACE SOWN PANICLE ROWS - Page 1-73
(SEE INDEX IN BOOK I)
Rows - 3601-4756

F_2 - POPULATIONS
1939 & 1940 CROSSES - Page-73-78
1941 CROSSES Page-86-90

BULKED-HYBRID POPULATIONS
PAGE - 81-85

RELATIVE SURVIVAL EXPT: pp-78-80

2644 is CO resistant, clear
no white tips
3444 - F x BR.

Jones -

2642 grnsh - med gr
2736 " "
2737 " "
3122 " "
3121 dk gl -
3702 l grnsh -
3703 " "
3711 grnsh -
3795 Jones gl - OK.

Triploid – 4326

to 4363

SAMPLE PAGE

VARIETAL TEST OF OATS, 1908

CONDITIONS OF EXPERIMENT

PLOT

Location.....Field H.

Size.....1/20 acre.

SOIL

Kind.....Prairie loam.

Position.....Somewhat rolling.

Previous crop.....Corn.

NAME AND CONDITION OF MACHINERY

Plow.....

Disk..... Osborn.....Sharp.

Harrow..... U Bar.....Good.

Seeder..... Monitor.....Good.

SEED

Variety.....Variable.

Weight per bushel.....Variable.

Source.....Variable.

Treatment.....Fanned clean and treated for smut.

SEED BED

Preparation:

1. Disked (lapped half).....4–6–'08.
2. Disked (lapped half).....4–10–'08.
3. Harrowed.....4–10–'08.
4. Harrowed.....4–27–'08.
5. Seeded.....4–27–'08.
6. Harrowed.....4–27–'08.

SEEDING

Manner.....Drilled.

Date.....4–27–'08.

Rate.....3 bushels per acre by weight.

8—72 U. S. GOVERNMENT PRINTING OFFICE

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

8—72

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

				4/27 lea Ph.
	F5-376A2-37-2, (IBRxF)xS			HO Co NT
3601	Either less drying back or later than med-mos. Very uniform			+ 3958
1-Med late				
3602	F5-376A2-40-1,	"		+ 3965
3603	do	"		tr ✓
3604	do	"		+ ✓
3605	do	"		otr ✓
3606	do	"		✓
3607	F5-376A2-41-1,	"		+ 3967
	8/3-			
3608	do			+ ✓
	7/25-S-			

			No Cont		
	FS-376A2-41-1,		(IBR x F) x S		3609
3967	7/30-			+	
		do	"	+	3610
✓	7/25-				
	FS-376A2-41-2,		"		
3968	7/25-S-			+	3611
					1-M.
		do	"		3612
✓	8/5-			+	
		do	"		3613
✓	8/1-			th	
		do	"		3614
✓	7/25-			+	
	FS-376A2-43-1,		"		3615
3970	7/27-			+ oth	
	FS-376A 2-44-1,		"		3616
3971	7/25-			- oth	

			HO Co WT		
	F5-376 A2-44-1, (IBR x F) x S				
3617	7/15-S-			0-th	3971
	F5-376 A2-44-2,		"		
3618	8/10-			0-th	3972
3619	do		"	0 th	"
	Calady-40, ck.				HL
3620	8/10-8/17			0	
	F5-376 A2-47-1,		" v. good		
3621			++ th		3976
1-M					
3622	do		" v. good		"
	7/13-		+ th		
	1 E				
3623	do		"		"
			+ +		
3624	do		"		
			+		"
1-M					

Wide jam in yield among Calady plants.

3982	F5-376A2-50-1, (IBR×F)×S		ht	3625
	do	"		3626
			oh	
3986	F5, 376A2-53-1,	"		3627
	7/29 -		o	
3987	F5-376A2-53-2,	"		3628
	8/4 -		o	
3992	F5-376A2-55-3,	"		3629
	8/3 -		oh	
	do	"		3630
	7/28 -		oh	
3976	F5-376A2-47-1,	"		3631
	8/2 -		oh	
3998	F5-376A2-48-2,	"		3632
			oh	

Ho Co NT

3633	F5-376A2-57-1,	(JBRxF) xS		3995
1-M			ot	
3634	F5-376A2-58-2,	"		3998
	7/28-		ot	
3635	F5-376A2-59-2,	"		4001
	8/4-		+	
3636	F5-376A2-60-1,	"		4002
	8/4-		+	
3637	F5-376A2-60-2,	"		4003
			++ ot	
3638	do		++ ot	
3639	F5-376A2-60-3,	"		4004
	8/2-		+ +	
3640	Acadia ck			
			0 TT	

Ho GO NOT lead Gr

FS-376A2-60-4 (IBR×F)×S. 3641
4005 ++ Otr 2-M

FS-376A2-60-5, " 3642
4006 ++ Otr

FS-376A2-63-1, " 3643
4011 o +

do " 3644
✓ 8/3 o +

FS-376A2-64-1, " 3645
4012 7/30 o

do " 3646
4012 7/20-5- o

FS-376A2-64-2, " 3647
4013 7/23 o+

FS-376A2-66-1, " 3648
4015 Short strawed, stiff straw about Th + Ho
Mix maturity. Smooth

			Ho Co WT leaf BL		
	F5-376A2-67-2, (IBR×F)×S				
3649	8/1		ot		4019
	F5-376A2-70-1,		"		
3650			+		4025
	F5-376A2-70-3,		"		
3651			tr +		4027
	F5-376A2-70-4,		"		
3652	1-M		+		4028
	do		"		
3653	1-M		+		
	Resp. lost dying than 3652 but shorter leaves.				
	F5-376A2-71-2,		"		
3654	7/31-		ot		4030
	do		"		
3655	7/28-		ot		
	do		"		
3656	7/28-		tr		

Ho Co NOT lead Bl

F5-376A2-72-1 (EBRxF)xS

4032 8/9 + + 3657

do " + + 3658

F5-376A2-72-3 " ++ + 3659

4034

Early Prolific, ck.

14 7/15-7/26 (9/9) + 3660

F5-376A2-72-3 " + + 3661

4034 8/10-

F5-376A2-72-4 " + + 3662

4035 Stff straw, short. Ho

1-M

F5-376A2-73-2 " ok 3663

4037 8/2+

F5-376A2-73-4 " ok 3664

4039

			Ho Co WT		
	F5-376A2-73-4	(IBRxF)xS			
3665	8/6-		+	tr	4039
	F5-376A2-73-5		"		
3666	8/5-		+	+	4041
	F5-376A2-73-6		"		
3667			+	+	4042
	F5-376A2-77-1		"		
3668				+	4048
	do		"		
3669				+	✓
	F5-376A2-84-2		"		
3670			S	tr +	4063
	1st pl in row is Add (not bd?)				
	F5-376A2-85-1		"		
3671	8/10-			+	4064
	F5-376A2-87-1		"		
3672			++	tr	4067

Ho Co MT leg BL

F5-376A2-89-1, (HBRxF)xS
4070 3673.
+

F5-376A2-91-1, "
4074 3674
otr

F5-376A2-92-1, "
4075 3675
7/28-
+

F5-376A2-94-1, "
4078 3676
stiff straw, smooth, Uniform R
+ 1-M

F5-376A2-94-2, "
4079 3677
+

F5-376A2-94-3, "
4081 3678
8/10-
+

F5-376A2-96-1, "
4084 3679
stands upright, medium ht. good.
+ 3 M
Wrangler Smooth

Caloro, ck
55 7/25-8/11 3680
0

			HO GO	NT	Lead Br 6/27
3681	F_5-376A2-98-1, (IBR×F)×S			+	4086
3682	F_5-376A2-99-2,	"		tr +	4088
3683	F_5-376A2-100-2, 7/25 -	"		+	4091
3684	F_5-376A2-102-2,	"		tr +	4095
3685	do 8/10 -	"		+	✓
3686	F_5-376A2-102-5, 7/25-5-	"		+	4098
3687	F_6-3723B39-6, F_1(Co×Cob)×BR			R	0 Aust. pl from plug drawing work 3195
1-4	key for plug Br on 6/27				
3688	F_6-3723B39-10, 7/24-5-	"			0 3197

Ho 6 NT leaf Br

F6-3723B39-10, F, (CoxCub) x BR

3197 7/30 — seg of 1-M seg 1-L 3689

F6-3723B39-14, " 3690

3198 +

F6-3723B39-14, " 3691

3201 8/8 — Mod S + 1-L

F6-3723B39-15, " 3692

3203 mostly mod R a few appear R of seg 1-L

do " 3693

3206 seg + 0 1-M type plant round.

F6-3723B39-20, " 3694

3210 seg oth seg 2-L

F6-3723B39-23, " 3695

3212 (mostly S) seg of

Saved 2 R's. Maybe natl crosses as the seg are st. taller than rest of row.

F6-3723B39-26, " 3696

3214 Seg of + 1-L

Saved one R plant maybe natl cross.

Ho Co WT leaf Br

F6-3723B39-26, F1(CorCub)xBR Co=R 3215

3697 8/11- R+ of sev 3-L. WT

do " Co=R

3698 8/8- R of sev 2-L

F6-3723B39-31, " Co=R 3219

3699 7/14-S- O some yellowing

Shoemed, check. 7

3700 8/4-8/11 W mostly yellowing

F6-3723B39-31, " Co=R 3219

3701 1-L O some yellowing

F6-3723B39-33, "

3702 7/20 3222 1-L O

F6-3725B38-5-1, F1(CorCub)x B

3703 3225 1-L O

do

3704 3226 O WT 1-L

Ho Co MT Lev Ed

F6-3725B38-5-1, Fi((ox(ub)xB

3705

o 1-L

F6-3725B38-5-2, "

3706

Annual rebs for Trucks R o

F6-3726B39-10, Fi((ox(ub)xC

3707

o+

do "

3708

o

F6-3726B39-10-2, "

3709

o

do "

3710

+ o

F6-3726B39-10-3, " Ho+Co=R(Rx4yp)

3711

Jones like R o 1-M

do "

3712

o

Ho Co Wt leaf sh

3713 F3-3940A1 F1(co x (co b) x unknown 8/1- 5086 ot

3714 A2 do " ot

3715 A3 do " ot 8/3-

3716 F3-3940B1- F1(co x (ub) x unknown 5089 o

3717 F3-3940C1 " 5091 o 7/21-S

3718 C2 " ot 7/21

maybe plays Br.

3719 C3 " o

3720 Fortuna- ck 8/10- ot Hb

Ho CONT Lev B4 6/27

F3-3941A1-F1(Co x Cub) x (IBR x F)

:098 8/11 — 3721 o 1-2

A2 " 3722 o

A3 " 3723 o

F3-3942A1-F1(Co x Cub) x (SP x SJ)

:101 3724 o

A2 " 3725 o

A3 " 3726 ot

tall row 6/27

A4 " 3727 o

A5 " 3728 o

			Ho	Co	WT	leaf Br
	F4-386A5-1,	$F_1(D \times R) \times F_1(Cdy \times BR)$				
3729 1-M	7/15-					3611 ot
	F4-386A3-4		"			
3730 1-M	7/15-S-					3618 ++ yellowing
	F4-386A3-5,		"			
3731	7/17-8/3					3619 + yellowing
3732	7/15-7/26	do	"			oth
3733	7/14-S	do.	"			oth
	F4-386A1-1,		"			
3734 2-M	7/15-S					3621 ++ yellowing
	F4-386A1-2,		"			Ho=R
3735	7/25-S					3622 ++ yellowing
	F4-P1-2, R		"			Prob F.P.
3736	7/13-7/24					3628 +

Do Do not leg BC

Rub EP P1-2 3737

3629 7/15-7/24 +

F4 - 386A-P1-4 - F1(DxR)xF1(CdyxBR) 3738

3638 7/16- S 0+

do " 3739

7/15-S ++ yellowings dead leaves

B2913 A21-1-1, CoxBR, check 3740

17 7/15-7/30 0

F4 - 386A-P1-5, F1(DxR)xF1(CdyxBR) 3741

3647 + yellowing

F4 (3810A2-2 - F1(SxEP)xF1(CAxCdy) 3742

3546 8/8- +

do " 3743

7/10-S- +

do " 3744

7/12-S- 0+

Ho Co WT leaf Bu

F4-3810A2-2, F1(S×EP)×F1(CA×Cdy)

3745 8/10- 3546 +

3746 do " 7/10-S ✓ Of

3747 do " 8/1- ✓ Of

3748 F-4-3810A6-1, " Similar to B2913A29 7/5-7/15 3552 Of

different growth habit on 7/27 from B2913A29

3749 do " 8/10- ✓ T

3750 F4-3810A6-2, " 7/12-7/20 3553 O

3751 F4-3810A6-4, " 7/13-S 3555 Of

3752 F4-3810A9-2, " 7/15-7/25 3572 +

as allogamous upright ht. - Lake 8/27 (3x)

No Count

F4-3810A9-2, F1(5xEP) xF(CAxCdy)

570 7/11-5- 3753 +

do " + 3754

7/13-5

F4-3810A17-1, " similar & corbk

589 7/9- 3755 ok

upright like Ep on 6/27

do " 3756

7/11- ok

upright like Ep on 6/27

do " 3757

7/8- ok

upright like Ep on 6/27

F4-3810A17-2, " 3758

590 8/10- 0

short like B2913A29 on 6/27

do " 3759

8/10- 0 +1

short like B2913A29 on 6/27

Edith, <K

33 7/20-7/30 3760 0

Ho Co WI leaf 84

F4-3810A17-3, $F_1(S \times EP) \times F_1(CA \times Cdy)$

3761 7/14-S 3591
2-ado oth mostly yellowing
Tall like Ep on 6/27

do "

3762 7/11- ✓
oth
Tall like Ep on 6/27

do "

3763 7/13 ✓
oth
Tall like Ep on 6/27

do "

3764 7/14- ✓
+
intermed ht on 6/27

do "

3765 7/14- ✓
oth
Tall like Ep on 6/27

do "

3766 8/10- ✓
oth
Mostly Tall like Ep on 6/27

F4-3810A17-4, "

3767 3592
2-M W not shattering of anthers even when ripe oth
short like B2913A29 on 6/27

F4-3810A17-5, "

3768 3593
8/8-

Ho Co NT leaf 6/27

F4- 3810 A17-5, F1(SYEP) x H16A x Cdy)

3769

+ mostly yellowing

Tall like Ep on 6/27

F4- 3926A 9-1 "

3770

7/12-5- oh

Tall like Ep on 6/27

do -2 "

3771

7/13- +

Tall 6/27

do -3 "

3772

Very good BK type. leaf o 3-4

Intermed- 6/27

do -4 "

3773

o

Short- 6/27

do -5 "

3774

o+

tall 6/27

do -6 "

3775

7/10-5- o

Inter+ tall 6/27

d -7

3776

o

short broad leaf 6/27

Ho Co WT leaf Br

F-3 3926A7-1 $[F_1(S \times EP) \times F_1(CA \times Cdy)] \times F_1(F \times BR)$

3777 5083
7/18-8/1 0
Tall-6/27

" 7-2 "

3778 ✓
7/15- ok
Intermed-6/27

F4-3810A5-3, $F_1(S \times EP) \times F_1(CA \times Cdy)$

3779 3551
7/21-S ok
Intermed tall-6/27

Zenith, check.

3780 1
7/23-8/5 +
Intermed-6/27

F4-3810A6-6, "

3781 3557
0
Intermed to tall-6/27

F-4-3810A7-2, "

3782 3559
0+
Tall-6/27

F4 3810A7-3, "

3783 3561
0+
Intermed-6/27 neg

F4-3810A9-2, "

3784 3570
8/10- +
Intermed-6/27

Ho Co NT leaf St.

F4-3810A9-3, F1(S1EP)xF1(CA1xCdy) 3785.
3571
Sent to J.W Jones in Jan 1943 by mail + ← (1-all)
in crossing with Calos for a number
Tall- 6/27 Calos for Calif.

do " 3786
+

Tall- 6/27

F4-3810A9-4 " 3787
3572 of

Tall- 6/27

F4-3810A15-2, " 3788
583 of
7/23-S-

Intermed 6/27

F4-3810A16-4, " 3789
588 o
7/15-S-

Tall- 6/27 v. good

F4-3810A17-1, " 3790
3589 o

Tall- 6/27

do " 3791
o

Inter-Tall- 6/27

F4-3810A17-3, " 3792
3591 o
7/20-S-

Intermed- 6/27

Ho Co WT Leaf Br 4/29

3793 F4-3810A17-3, F1(5xEP)xF1(CAxCdy) 3591

0

short like 2913429 - 4/27/42

3794 F5-3812A1-2, (1645x5309)xA1-11 3649

7/27-S-

0

3795 do " ✓

7/17-S- Immature/old plant in row

0

3796 F5-3812A1-2, " 0 3650

8/3

3797 do " ✓

7/20-

0

(d 1)

3798 F5-3812A1-4, " 3652

8/3

0

3799 " " ✓

0

3800 Nira, check

0 49

Ho Co NT Leaf Bx.

FS- 3812A1-4, (1645x5301)x AL-11 3801

do " 3802

FS- 3812A1-5, " 3803

FS- 3812A1-7, " 3804

FS- 3813A1-1, [(SPxSJ)xSBR] x AL-11 3805

FS- 3814A1-2 [(SPxSJ)xSBR] x[(ExF)x 470] 3806

FS- 3814A1-5, " 3807

FS- 3814A1-6-1, " 3808

Ho to NOT lead Bal

3809 FS-3814A1-6-6, [(SP x SJ) x SBK] x [(E x F) x 4700]
7/25-8/6 3674
0

3810 do "
7/13-S ✓
0

3811 FS-3814A1-2, " Ho=R
8/3- 3663
OT

3812 ~~38-3822~~ (1645 x 5309)
34H38-3822, 3648
7/25-S- 0

3813 F4-3825A1-1-F[(CA x BR) x F[(CA x CL)] ✓
7/12-S- 3644
0

3814 F4-3825A1-2, "
8/6-8/13 3645
0

3815 do "
8/6-8/13 ✓
0

3816 F4-3825A1-3, "
7/27-S- 3646
0

Ho 60 not Lug 82

F4-3825A1-4, F1(CA×BR)×F1(CA×Cdy) 3817

647 7/30-8/11 0

do " 3818

✓ 8/3-8/11 0

do " 3819

✓ 8/1-8/10 0

Delitus, check. 3820

51 8/4- + yellowing+

F4-3825A1-4, F1(CA×BR)×F1(CA×Cdy) 3821

647 0

do " 3822

✓ 0

F4-392A1-3, (SP×SJ)×D 3823

4183 8/3- 0

F4-392A2-9, " flavoring 3824

4196 8/10- + yellowing

Ho Co WT Leaf Sel

3825 F4-394A2-1, (SPxSJ)x(BRxS309) 4261 ot

3826 F4-395A1, (SPxSJ)x(B3715, Nira) 4262 o

3827 8/3 do " o

3828 8/3- do " o

3829 F4-395A3, " 4264 o

3830 F3-394A2-5, (SPxSJ)x(BRxS309) 5113 o

3831 F3-394A4-1, " 5115 o

3832 F3-394A5-1, " 5116 o

HD 6 WT leaf rust

F3-394A6-1, (SP×SJ)×(BR×S309) 3833

5117

do 6-2, " 3834

do 6-3, " 3835

F3-394A8-1, " 3836

5119 8/10-

F3-394A9-1, " 3837

5120 4/4-

F3-394A14-1, " 3838

5124 8/3-

" 14-2, " 3839

Colusa, Check 3840

6 Tr-7/15

Ho Co WT

3841 F3-394A14-3, (SPxSS)x(BRxS309) 5124

3842 F4-3810A16-4, F1(SxEP)xF1(CAxCdy) 3588

Tall like ep on 9/27

3843 F3-394A1-1, (SPxSJ)x(BRxS309) Tullio subs. 5112
Lo and Ho = R
R R +

3844 " 1-2, " ✓
R R

3845 " 1-3, " ✓
R 1R
8W
SS

3846 " 1-4, " ✓
Sag 5R
3S

3847 " 1-5, " ✓
Sag 9R
1S

3848 " 1-6, " ✓
R 5R
4S

			Ho Co MT Leaf Br		
F3-394A1-7(SP×SJ)×(BR×S309) Tullis cuts. F112 Co and Ho = AR			9R 5S		3849
"	1-8,		Seg 8R 8S.		3850
"	1-9,		R 8R 6S	"	3851
"	1-10,		R 10R 7S	"	3852
"	1-11,		Seg 8R 5S	"	3853
"	1-12,		Seg 10R 6S	"	3854
"	1-13,		Seg R	"	3855
"	1-14,		R 13R 9S	"	3856

			Ho Co WT Leaf Br	
	F3-394A1-15	(SPxSJ)x(BRxS309)		nullisatio
3857		CO and HO = R	Seg R	5112
3858	" 1-16,		" R 6R 10M	
3859	" 1-17,		" R 10R 9S	
3860	Rexoro,	check.		87
3861	F3-394A1-18,		" R 14M	
3862	1-19,		" R 8R 7S	
3863	1-20,		" R R	
3864	1-21,		" R 6R 6S	

HO CONT 4/12

F-3-394	A	1-22, (SP x SJ) x (BR x S3bq)	yellow select	3865
F112	HO and CO =	R 14R Seq 5S		
"		1-23,	" R 8R 8S	3866
"		1-24,	" R 8R 6S	3867
"		1-25,	" R 2R 5S	3868
"		1-26,	" R S	3869
"		1-27,	" R S	3870
"		1-28,	" R 13R 3S	3871
"		1-29,	" R 11R 3S	3872

Ho Cont Inst Br Trellises

F3-39 A1-30, (SP x SJ) x (BR x 5309)

3873 Ho and Co = R — Seq 11R 5S — 51125

3874 " 1-31, " — Seq 3

3875 " 1-32, " — Seq 5

3876 " 1-33, " — Seq 14R 2S

3877 " 1-34, " — Seq 11R 5S

3878 " 1-35, " — Seq 5

3879 " 1-36, " — Seq 11R 2S

3880 B 314A 8-2-1-27 (SP x SJ) check

99

F3- 394A1-37, (SP x SJ) x (BR x 5309)

112 HO and CO = R

3881

" 1-38, " 3882

- grassy - hop -

" 1-39, " 3883

" 1-40, " 3884

" 1-50, " 3885

" 1-51, " 3886

" 1-52, " 3887

" 1-53, " 3888

Ho Co WT leaf BR
Trillo sels

F3-394A1-54, (SPxSJ)x(BRx5309)

3889 HO and CO = Succ 5112
Seg S

3890 " 1-55, "
Seg 1R 24S

3891 " 1-56, "
Seg S

3892 " 1-57, "
maybe hop-a Seg S
grassy

3893 " 1-58, "
Seg S

3894 " 1-59, "
Seg S

3895 " 1-60, "
Seg 3R 11S

3896 " 1-61, "
Seg S

Ho Co not [illegible]

F3-394A1-62, (SPxSJ)x(BRxS309) 3897
5112 NO and CO = Susc
seq S

" 1-62, seq S " 3898

F3-394A2-6, " 3899
5113 NO and CO = Susc
seq S
maybe no head

B314A8-2-1-2, (SPxSJ) check 3900
99

F3-394A2-7, (SPxSJ)x(BRxS309) 3901
seq S

" 2-8, seq S " 3902

" 2-9, seq S " 3903

" 2-10, seq S " 3904

			Ho Co WT Leaf Br		
	F3-394A2-11, (SPxSJ)x(BRx5309)				
3905	HO and CO =		Succ. seq S		5113
	7/27-				
3906	"	2-12,	seq 13R 1S	"	
3907	"	2-13,	seq S	"	
3908	"	2-14,	seq S	"	
	F3-394A2-15,			"	
3909	HO and CO=		R 16R R 5S		5113
3910	"	2-16,	R 15R 5S	"	
3911	"	2-17,	seq 11R 3S	"	
3912	"	2-18,	R 17R 5S	"	

R-19
Seq 10

Ho Co WT Seq B2

F3-3394A 2-19, (SPxSJ)x(BRx5309) 3913

5113 H O and C O = R seq 11R 3S

" 2-20, seq R " 3914

" 2-21, R 15R 7S " 3915

" 2-22, R 10R 3S " 3916

8/5 - 8/2

" 2-23, seq 10R 3S " 3917

" 2-24, R 9R 8S " 3918

" 2-25, seq R " 3919

B 3148-2-1-2, (SPxSJ) check. 3920

29

Ho Co WT Ind Sl

F3-394A2-26 (SP x SS) x (BR x S309)

3921 Ho and Co = Reg 1SR 3S 5113

3922 " 2-27, Reg 5R 4S "

3923 " 2-28, R, (W) "

3924 " 2-29, R 7R 7S "

3925 " 2-30, R 11R 3S "

3926 " 2-31, R 3R 2S "

3927 " 2-32, Reg 8R 4S "

3928 " 2-33, R 6R 9S "

HO CO not led

F3-394A2-33, (SP×SJ)×(BR×5309)

113 HO and CO = R 8R R 3S 3929

" 2-34, seq S. " 3930

" 2-35, R 5R 3S " 3931

" 2-36, R 10R 8S " 3932

" 2-37, R 3R 6S " 3933

" 2-38, seq 4R 5S " 3934

" 2-39, R 6R 5S " 3935

" 2-40, R 5 " 3936

Ho Cont

F3-394A2-41 (SPxSJ)x(BRx5309)

3937 Ho and Co = R 5113

R SR
2S

3938 " 2-42, "

R 9R
7S

3939 " 2-43, "

R 8R
2S

B 314A8-2-1-2, (SPxSJ) Check

3940 99

F3-394A3-1, (SPxSJ) x (BRx5309)

3941 Ho and Co = Susc 5114

seg R

3942 " 3-2, "

seg S

3943 " 3-3, "

seg S

3944 " 3-4, "

seg S

R-13
Seq-9

HO CO WT Ref BR

F3-394A 3-5, (SP×SJ)×(BR×5309) 3945
5114. HO and CO = succ. seq 2R 12S

" 3-6, " 3946
seq S

" 3-7, " 3947
seq S

" 3-8, " 3948
S S

" 3-9, " 3949
seq S

" 3-10, " 3950
seq S

F2-394A 3-11 (") 3951
5114 HO and CO = R R 7R 8S

" 3-12, " 3952
seq 7R 8S

Ho Co WT leaf Br

F3-394A3-13, (SP x SJ) x (BR x S309)

3953 Ho and Co = R 7R 5 1/4 S
R 7S

3954 " 3-14, " seg 9R 3S

3955 " 3-15, " R 11R 5S

3956 " 3-16, " seg 7R 3S

3957 " 3-17, " R 3R 4S

3958 " 3-18, " seg R

3959 " 3-19, " seg 2R 12S

3960 B314A 8-X-1-2, (SP x SJ) check.

			HO CO WT leaf Br		
F3	3944	3-20,	(SP x SS) x (BR x S309)		3961
F114	HO and CO =		R 5R R 6S		
	"	3-21,	"		3962
			R R		
	"	3-22,	"		3963
			R R		
	"	3-23,	"		3964
			seg 10R 2S		
	"	3-24,	"		3965
			R 7R 1S		
	"	3-25,	"		3966
			R 4R 2S		
	"	3-26,	"		3967
			seg 3R 3S		
	"	3-27,	"		3968
			R 10R 5S		

				HO CO WT Lef Br.	
3969	F3- 394A3-28, HO and CO =		(SP x SJ) x (BR x S309) R 5R R 4S		5114
3970	"	3-29,	R 6R 7S	"	
3971	"	3-30,	R 2R 3S	"	
3972	"	3-31,	Reg R	"	
3973	F3 394A4-2, HO and CO =		Same Reg 4R 7S	"	5115
3974	"	4-3,	Reg S	"	
3975	"	4-4,	Reg S	"	
3976	"	4-5,	Reg S	"	

HO Cont leaf B2

F3- 394A4-6, (SP×SJ)×(BR×S309) 3977

5115 HO and CO = fuse. seg 2R 9S

" 4-7, " 3978

seg 3R 10S

" 4-8, " 3979

R. 3R 8S

B314A8-2-1-2, (SP×SJ) check 3980

F3- 394A4-9, (SP×SJ)×(BR×S309) 3981

seg (M)

" 4-10, " 3982

seg 1R 6S

" 4-11, " 3983

seg 3R 4S

" 4-12, " 3984

5115 HO and CO = R

seg 3R 3S

			HO	CO	WT	Lay Bl
	F3-394A	4-13,	(SP x SS)		x (BR x 5309)	
3985	HO and CO =		R			5115
			seq	SR		
				3S		
3986	"	4-14,			"	
			seq	4R		
				2S		
3987	"	4-15,			"	
			seq	6R		
				2S		
3988	"	4-16,			"	
			seq	2R		
				6S		
3989	"	4-17,			"	
			seq	5R		
				9S		
3990	"	4-18,			"	
			seq	10R		
				1S		
3991	"	4-19,			"	
			seq	6R		
				5S		
3992	"	4-20,			"	
			R	6R		
				5S		

Ho Cont wt

F3-394A4-21, (SP x SJ) x (BR x S309)

115 Ho and Co = R 9R / R 4S 3993

" 4-22, req 5R / 5S " 3994

" 4-23, R S " 3995

" 4-24, req 1.2R / 3S " 3996

" 4-25, R 6R / 6S " 3997

" 4-26, req 8R / 7S " 3998

" 4-27, req 9R / 2S " 3999

B314A8-2-1-2, (SP x SJ) Check 4000

HO Cont Ind Br

F3-394A4-28, (SP×SJ)×(BR×S309)

4001	HO and Co = R				5115
			Seg 6R 6S		
4002	"	4-29,	R 5R 4S	"	
4003	"	4-30,	R 6R 4S	"	
4004	"	4-31,	R 4R 5S	"	
4005	"	4-32,	Seg 6R 10S	"	
4006	"	4-33,	R 10R 10S	"	
4007	"	4-34,	R 17R 4S	"	
4008	"	4-35,	R 10R 6S	"	

R-24
Seq-19

				HO CO NI	
		F3-394A4-36, (SPxSJ)x(BRxS3309)			
115	HO and CO = R				4009
			Seq 7R 11S		
	"	4-37,		"	4010
			R 4R 4S		
	"	4-38,		"	4011
			R 9R 4S		
	"	4-39,		"	4012
			Seq 5.		
	"	4-40,		"	4013
			R 4R 9S		
	"	4-41,		"	4014
			R 10R 5S		
	"	4-42,		"	4015
			Seq 7R 9S		
	"	4-43,		"	4016
			Seq 7R 3S		

Ho Co MT Leaf Br

4017 F_3-394A4-44, (SPxSJ)x(BRx5309) HO and CO = R 5115
R 2R
4S

4018 " 4-45, "
R 12R
5S

4019 " 4-46, "
R 9R
9S

4020 B314A8-2-1-2, (SPxSJ) check
99

4021 F3-394A4-47, (SPxSJ)x(BRx5309)
R 10R
8S

4022 " 4-48, "
R 6R
7S

4023 " 4-49, "
reg 5R
14S

4024 " 4-50, "
R S

6/27
Hd Co JT Br
Tullis sib

F3-394A 4-51, (SP x SJ) x (BR x 5309)
5115 HC and CO = R
R R 4025

" 4-52, " 4026
R 10R
55

" 4-53, " 4027
R S

" 4-55, " 4028
R 11R
65

F4-395A 1-1, (SP x SJ) x (B3715, Nita) 4029
4262
7/27 ol yellow roots

do 1-2 " 4030
7/27-5- tr roots yellow

do 1-3 " 4031
7/28-5 tr

do 1-4 " 4032
7/20-5 tr roots yellow

HO Co WI Leaf Br

4033 F4-395A1-5, (SP×SJ)×(B3716, Nira) 4262
7/10-S- otr
Same Eplant.

4034 F4 396A 4-1-6, (SP×SJ)×(R×D) 4265
o

4035 " 4-2, " 4266
8/6- o

4036 " 4-11, " 4275
8/10- o

4037 " 4-12 " 4276
o

4038 " 4-16, " 4281
8/3-S- ot
sound yellowing

4039 F4-398A5-2, (SP×SJ)×B391, R×D 4302
7/20-S o

4040 Lady Wright, Check.
7/20-8/2 o 15

F4-3910A	1-1,	(SPxSJ)x(IBRxF)				
4366	7/25-8/3				0	4041
4372	8/3	"	1-2,	"	0	4042
4374		"	1-3,	"	0	4043
4376	7/24-8/3	"	1-4,	"	+	4044
✓	7/30-	"	1-4,	"	0+	4045
✓	8/2	"	1-4,	"	0 salt	4046
✓		"	1-4,	"	0	4047
4378	7/20-8/2	"	2-1,	"	0	4048

				Ht	Co	Wt
4049	F4-3910A 2-2, (SP x SJ) x (TBR x F)					4381
	8/2					
4050	F4-3910A 2-3,		"			4382
	7/20-8/2					
4051	"	2-4,	"			4383
	7/25					
4052	"	2-5,	"			4384
	8/3					
4053	"	2-5	"			✓
	8/3					
4054	"	2-6	"			4385
4055	"	2-6	"			✓
4056	"	2-6	"			✓
	7/29-					

F4- 3910A2-6, (SP×SJ)×(IBR×F) 4057

1385 8/4

F4- 396A4-1, (SP×SJ)×(R×D) 4058

1265

" 4-3, " 4059

1267

Edith, check 4060

7/24-8/2

1283

F4- 396A 4-6, " 4061

1270

4-6, " 4062

F4-399A1-1, (SP×SJ)×C2854-3 4063

1307

" 1-1 " 4064

HD CONT leaf Br

F4-399A1-4 (SP×SJ) × (C2854-3)

4065 4307 o+

F4-399A3-1, " 4066 4316 o

" 3-1, " 4067 ✓ o

" 3-2, " 4068 4318 +

" 3-2, " 4069 ✓ o+

a skip between 4069 & 4070

" 3-3, " 4070 o+ 4321

" 3-4, " 4071 4326 o+

" 4-1, " 4072 4357 +

HO WT Lab Bk

F4-3910A2-7, (SPxSJ)x(IBRxF)

4387 7/20 - 8/4 4073

" 3-1, " 4074

405 7/17 - 7/25

" 3-2, " 4075

408

" 3-2, " 4076

8/3

" 3-3, " 4077

318 Ph4418 8/1

" 3-4, " 4078

321 Fph4421 8/1

" 4-1 4079

333 Fph4433 7/26 - 8/4

Zenith, check. 4080

7/25 - 8/3

HO CO WT Cyl Bl

4081	F4-3910A4-2,	(SP x SJ) x (IBR x F)	4335
	8/4		o Prob 4435
4082	F4-3910A2-8,	(SP x SJ) x (IBR x F)	4396
			o
4083	F4-3810A5-3,	F(S x EP) x F1(CA x Cdy)	3551
	out of place. 1/25-5		ot
4084	F4-3911A1-3,	(SP x SJ) x (K x BR)	4451
			o
4085	" 2-1,	"	4455
			o
4086	" 2-4,	"	4463
			o
4087	" 2-7,	"	4465
			ot
4088	" 2-8,	"	4466
			ot

				HD CONT Lead Bal	
F4-3911A2-10, (SPxSJ)x(KxBR)					
1465					4089
		"	2-10,	"	4090
	7/29-				
1487		"	4-3,	"	4091
	7/28-S-				
1494		"	4-2,	"	4092
1497		"	4-4,	"	4093
1501		"	5-1,	"	4094
1448		"	1-1,	"	4095
1456		"	2-6,	"	4096

				ND	CD	WT	Leaf Bl	
	F4-3911A2-2, (SP×SJ)×(K×BR)							
4097								4459
4098	"	2-3,	"					4461
4099	"	2-4,	"					4463
4100	Nitra, Checks							49
4101	F4-3911A2-5,		"					4464
4102	"	2-7,	"					4465
4103	"	2-7,	"					
4104	"	2-9,	"					4467

H2O Co WT Leaf Br

E4- 3911A 2-9, (SP x SJ) x (K x BR)

4467 8/3					4105
	"	2-9,	"	0	4106
1475 7/24	"	3-1,	"	0	4107
4478 8/14	"	3-2,	"	0+	4108
4494	"	4-2,	"	0+	4109
4499	"	5-2,	"	0	4110
	"	5-2,	"	0	4111
4507	"	5-3,	"	0	4112

			Wd. Co	wt	
	F4-3911	A 5-3, (SP x SJ) x (K x BR)			
4113				0	4507
4114	8/4-	" 5-3,		0	" ✓
4115	8/17	" 5-4,		0+	" 4513
4116		" 5-5,		0+	" 4515
4117		" 5-6,		0	" 4516
4118		" 5-7,		0+	" 4518
4119		" 5-7,		0+	" ✓
4120	8/2 - 8/15	Delitus, <u>Check,</u>		+ yellow	5-1

				HD CO WT Card BR		
F4-3912A 2-6, (SP x SJ) x (K x BR)						
541	8/3	—			0	4121
542		"	3-1,	"	0	4122
521	F4-3912A 1-1,	8/1		"	0	4123
		"	1-1,	"	0	4124
526		"	1-6,	"	0	4125
528		"	1-8,	"	0	4126
533		"	1-13,	"	0	4127
534	8/3	"	1-14,	"	0	4128

	F4-3912A	2-4,	(SP x SJ) x	(K x BR)	
4129	"	2-4,	"	o	4538
4130	"	2-4,	"	o	✓
4131	"	2-4,	"	o	✓
4132	"	2-4,	"	o	✓
4133	"	2-4,	"	o	✓
4134	"	3-8,	"	o	4549
4135	"	4-6,	"	o	4555
4136	"	4-9,	"	o	4558

			do Co wi	leaf Br	
198	F6-3723B39-14, F1(Co×Cub)×BR			o+	4137
199	do	"		+	4138
207	F6-3723B39-16, 7/24-	"		o	4139
6	Colusa, check 7/10-7/21			o+	4140
207	F6-3723B39-16, 7/27	"		o	4141
216	F6-3723B39-28, 7/21-	"	V. early	o	4142
217	F6-3723B39-31, 7/20	"		o	4143
130	F3-399A1-2, (SP×SJ)×C2854-3			o	4144

			HD	CO	WT	Leaf Blt
4145	F_3 - 399A1-3, (SP x SJ) x C2854-3					5130
4146	"	1-4,	"			
4147	"	1-5,	"			
4148	"	1-6,	"			
4149	"	1-7,	"			
4150	"	1-8,	"			
4151	"	1-9,	"			
4152	"	1-10,	"			

7/27 -

8/3 -

HO D NT

F3- 399A1-11, (SPxSJ) xC2854-3

130 8/2 0 4153

2914A20-1-2-1 x Calady-100

146 8/14 0+ 4154

do

8/13- 0+ 4155

do

8/13 + 4156

do

8/16- 0+ 4157

do

8/13- 0+ 4158

do

8/16 2+ 4159

Rexoro, check

87 0 4160

			ND	Co	Wt	leaf Brd	
4161	8/13 -	2914A20-1-2-1 x Calady-100					746
4162	7/28 -	do				+	
4163		F3-3916A 1-1, (ArKrose CAxBR) x (ExF)					5/35
4164	8/1 -	" 1-2, "					
4165	7/15-5 -	" 1-3, "					
4166		" 1-4, "				+	
4167	7/24	" 1-5, "				0	
4168	7/19-5 -	" 1-6, "				0	

HO Co WI Red Bl

F3 - 3916A1-7, Arkros - x (E λ F)

135

7/24	5			+	4169
	"	1-8,	"		
7/23	5			ot	4170
	"	1-9,	"		
7/24	5			ot	4171
	"	1-10,	"		
7/25	5			ot	4172
	"	1-11,	"	ot	4173
	"	1-12,	"	+	4174
	"	1-13,	"	ot	4175
	"	1-14,	"	ot	4176

				LD GO	WT	Leaf Br. Bl.
	F3-3916A1-15, Arkrose x (ExF)					5135
4177						ot
	"	1-16,	"			+
4178						
	"	1-17,	"			
4179						o
4180	Blue Rose, Check		"			—
						+ 84
	F3-3916 A 1-18,		"			
4181						5135
						o
	F3- Blue Rose x L. Wright					7/30
4182	384A2-1					seg
	7/15-7/27					ot
	"	2-2	"			7/31
4183	7/14-7/20					seg
						o+
	"	2-3	"			8/10
4184						T
	7/18-7/26					ot

				NO CO WT leaf Br	
8/4	F3-384A2-4BR x L. Wright				
	7/18-5-			O	4185
8/11	"	2-5,	"		
	7/16-5-8/3			Seg OK	4186
7/30	"	2-6,	"		
	7/15-7/24			O	4187
7/30	"	2-7,	"		
	7/15-7/26			O	4188
7/30	"	2-8,	"		
	7/14-7/26			O	4189
7/30	"	2-9,	"		
	7/15-7/27			Seg OK	4190
8/17	"	2-10,	"		
	7/15-5-			O	4191
8/14	"	2-11,	"		
	7/19-8/3			O	4192

			Ho Co wt	leaf Br Br	
4193	F3-384A2-12, BR x L. Wright 7/16-7/21			Sev O th	7/30
4194	" 7/21-S	2-13,	"	O	8/15
4195	" 7/15-S-8/3	2-14,	"	+ Sev	8/5
4196	" 7/16-S-8/4	2-15,	"	+	7/30
4197	" 7/15-7/25	2-16,	"	OTh	7/30
4198	" 7/18-7/27	2-17,	"	O	7/30
4199	"	2-18,	"	o +	8/17
120	C2854-3, Black Rose-41, check			+	92

120 Co WT Leaf Br

1/30 F3-384A2-19, BR x L. Wright. o + 4201
7/19 - 7/27

7/30 " 2-20, " + seg 4202
7/19 - 7/28

1/30 " 2-21, " o+ 4203
7/15 - 7/27

1/30 " 2-22, " o 4204
7/15 - 7/30

1/30 " 2-23, " + 4205
7/15 - 7/28

Taller than other rows on 7/7 v. good.

F3 - 40/A1 (C2854-3 x B2913A24) 7/30 (20-T-R)
R + seg 4206
7/19 - 8/17 2-E
1-M

Like BR was tasseling v. heavy. 2 mid groups.

2 do 8/18 - (5-0)
0 4207
8/3 - 8/24 1-M

0 = Seg
Co = Seg

1-BR maturity - 3 Mid maturity (11 tall - 3 short)

3 do 8/20 - (15-R)
0 4208
7/18 - 5 - 8/23

1-BR maturity - 2 Early
tall
short
Co =
Co = R

			HO	CO	WI
	F3-401 A4 (C2854-3 x Brg13Hng)				
4209	7/23 - 8/1				8/8 - 20 - TR
	2 plants both hard true Co.				+ +
		-5			7/30 - 30 - 0
4210	7/22 - 5 - 8/17				+
1-E					seg seg
		-6			7/30 - 40 - TR
4211	7/15 - 7/29				+ +
	all plants hard true Co.				seg
		-7			8/5 - 20 - TR
4212	7/24 - 8/3				seg 0
		-8			8/10 - 15 - TR
4213	7/25 - 8/17				+
	Merge and R plants check				seg 1 0
		-9			7/28 - 5 - R
4214	7/26 - (One plant row)				+
		-10			7/30 - 15 - 0
4215	7/20 S - 8/10				Th seg
		-11			S - R
4216	7/25 - S - 8/23				0
	5 - BK maturity - 1 - Each Co - S				

Ho Co WT Leaf Str Bl

F3-40[illegible]12 (C2854-3 x B2913 Sel)

S-R 4217

0

8/10 - 8/24

tall

3-BR-maturity - (Short Co=R 1-Moderate)

1-M

13

S-R 4218

7/23 - S-

tr seg

3-BR maturity - (Co=R 2-Early)

14

S-R 4219

8/17 - 8/24

P + R seg

4 Early Prolific, ck.

S-R 4220

+ 0 +

7/16 - 7/24 (8/16)

401A15

S-R 4221

8/19 - 8/28

+ seg

16

S-R 4222

7/27 - 8/23

hy tr seg

12-BR maturity - (1 Co=R Early)

1-E

17

S-R 4223

7/25 - S - 8/24

+ seg

1-E (1-M)

6-BR maturity - (4 Co=R slight Mid-Early)

18

S-R 4224

7/16 - S - 8/27

+ seg

6-BR - (Co=R 3-E)

HO Co WT Lf Br Co in Br

F3 - 401 A 19 (L2854-3 x B2913Hrq) M-R

4225 7/20 - 8/24 Tr seg

1-E Co-R Earliest one may stay other

6 BR mat 4 Early Hr Earlies

20 S-R

4226 8/17 - 8/24 + seg

21 M-R

4227 8/19 - 8/26 except 1 V. late plant. + + seg

22 S-R

4228 7/23 - S - 8/25 + seg

3 BR mat - (2 R - 1 Tr Co 3 - Early)

23 S-R

4229 8/23 - 8/29 +

24 M-R

4230 7/22 - S - +

4 - BR - 1 - M - 1 (Co-R Hr=+ Early)

25 S-R

4231 8/3 - 8/29 slTr seg

1-M 5 - BR - (1 Mx Co = R+ good grain shape)

26 S-R

4232 8/23 - 8/25 slTr seg

2 plants

Lf Count Leaf Rt

F3-401/A27(C2854-3 x B2913A429) S-R

+ 0 4233

9/31 - 9/28

8-BR-1 (Co=R, Mid)

28

7/14 - S - + Seg M-R 4234

Seg

2-E

5-BR - (Co=Seg 6 Mid-Early)

29

V. good plant S-R

Seg + + Seg 4235

9/3 -

Co=Seg (Co-R)

2 BR - (1 Mid) (1 abnormal plant) 1-M

30

8/9-20-T

R. + Seg 4236

7/28-8/2 1-E

3 plants all appear bunchy top

31

8/5-20-TR

R + 0 4237

7/29-8/10

2-E

1-Mid - 2 Early

32

7/30-30-TR

Seg + Seg 4238

7/25-S-8/10 1-E

33

8/10-15-TR

Seg + 0 4239

7/23-8/17 1-E

7 B2913A429-1-1-1, Co x BR. CK

S 0 0 4240

7/19-8/4

all plants show Co. but are not as heavily infected as E.P.

			HO	CO	WT	Leaf Br	
						Br	
F3 – 401A34 (C2854-3 x B2913A-4)							8/10 – 35 – TR
4241	3-E 1-M	7/21 – 8/5			R	O	+ seg
		35					8/2 – 15 – TR
4242	2-E	7/20 – 8/3			R		O
		36					7/30 – 15 – TR
4243		7/30 – 8/3			S		+ seg
		37		good plant			S – R
4244	6-BR – 2 early	7/24 – S – 8/4					+ seg
		38					S – R
4245	2-E 3-BR – early	7/26 – S – 8/24				+	O
		39					M – R
4246	6-BR – 3 Md	8/10 – 8/26				+	O
		40					M – R
4247		8/17 – 8/23			seg		+ seg
		41					S – R tr seg
4248	1-M 8-BR – 1-M-1 Early	8/2 – S – 8/24					

F3 - 401/A42 (C2854-3 x B2913A29)

	HD	CO	NT	LF BL NT BR	
					S-R
8/1 - S - 8/24			+	Q	4249
10 - BR - (9 = Seg 4 Early)					1-E
43					S-R
7/25 - S			+ Seg		4250
4 BR - (Co = R 2 Early)					1-E
44					S-R
7/15 - S -			+	+ Seg	4251
10 BR - (Co = Seg 3 Early)					
45					S-R
7/30 - S - 8/28			++	+	4252
13 BR - (Co = R 3 Early)					
46					S-R
8/19 - 8/25				O	4253
6 BR - 4 Early					
47					S-R
8/17 - 8/25			Seg	+ Seg	4254
48					S-R
7/18 - S - 8/24			+	+ Seg	4255
6 BR - (Co = Seg 5 Early)					1-E
49					S-R
7/30 - 8/10			R	O	4256
1M - 2E					1-E

Ho G WT leaf Br Br

F3- 401A50 (C2854-3xB2913A29) M-R

4257 8/19 - 8/25 R + slt dry

51 S-R

4258 8/19 - 8/27 Seg + seg

52 S-R

4259 2-E 7/20 S-8/24 4 BR - (Co=R 3 Early) 0

4260 Blue Rose, ck. + + 84

8/19 — 8/25

401A 53 S-R

4261 1- E 7/20 - S 7 BR - (Co=R 1 Early) tr seg

54 S-R

4262 1-M 7/23 - S - 8/24 11 BR - (Co=R 4 Early) ? + seg

55 S-R

4263 8/18 - 8/23 + seg

56 S-R

4264 1-E 7/16 - S - 7 BR - (Co=R 4 early) tr seg

Ho Co not

F3-401A57 (C2854-3x B2913 B29)

7/19 - S - 8/24

3 BR - [Co=R 2 early]

58

7/20 - S - 8/24

9 BR - [Co=R 1-M-2 early]

59

8/1 - S - 8/24

7 BR - [Co=R 1-M-1,E]

60

7/30 - S - 8/24

3 BR - [Co=seg 2 early]

61

7/23 - S - 8/24

9 BR - [Co=seg 3 early]

62

8/19 - 8/24

63

7/15 -

3 BR - [Co=R 3 early]

64

8/19 - 8/24

		S-R
+	0	4265 2E
		S-R
+ seg		4266 1E
		S-R
tr seg		4267 1-E
		S-R
+ seg		4268 1-E
		S-R
+ seg		4269
		S-R
0		4270
		S-R
+	+ seg	4271
		S-R
+ seg		4272

				Ho Co wt	leaf col Br
F3 - 40/A65 (C2854-3 x B2915A24)					S-R O
4273 1-M	8/3 - S - 8/25 2 BR - [Co-P 1-M early]				
		66			S-R tr seg
4274	8/1 - S - 8/23 4 BR - [Co-P 1 early]				
		67			M-R tr seg
4275	8/6 - S - 8/28 6 BR - 3 M Co-R				
		68			M-R O
4276 1-E	8/3 - 8 BR - [Co-R 3 M]				
		69			S-R tr seg
4277 1-E	8/1 - 6 BR + [Co-P 1 M - early]				
		70			S-R O
4278	8/4 - 8/25				
		71			S-R tr seg
4279	8/20 - 8/26			R	
	C2854-3, Blue Rose-41, Check				92
4280	8/20 - 8/26				tr seg

F3-40/A72 (C2854-3 x B2913A29)

		No Co wt Lf Br Br		
			S-R	
		R	0	4281
9/20-9/25				
	73		S-R	
		Seg sl tr seg		4282
8/19-8/26				
	74	V. large plant	S-R	
		R +	0	4283
8/19-8/24				
	75	good plant	S-R	
		seg	0	4284
8/19-8/26				
	76		7/30-30-35	
		S-	0	4285
7/23-8/3				
	77		7/30-25-15	
		R	+ seg	4286
7/16-S-8/10				1-8
no Co on any of the plants				
	78		7/30-20-25	
		S+	0	4287
7/18-S-8/9				
	79		7/30-10-25	
		S+	0	4288
7/24-S-				

F3 401A80 (C2854-3xB2913A24)

				Ho Co Int	Leaf Br Br	
4289	7/29 - S - 8/25			P +	8/20 - 15 - 15 0	
	7BR - 1M - [Co = R 3 early]					
		81				
4290	7/20 - 7/31				8/5 - 15 - 20 S + 0	
		82				
4291	7/12 - 8/3				7/30 - 15 - 25 S 0	
		83				
4292	7/14 - 7/30				7/30 - 20 - 20 S 0	
		84				
4293	7/26 - 9/3				8/10 - 10 - 20 S 0	
		85				
4294	7/20 - 9/4			Pivots dark later	8/6 - 15 - 25 sl tr seg	
		86				
4295	7/25 - 8/5			maple seg	8/2 - 20 - 20 + 0	
		87				
4296	7/15 - 8/5				7/30 - 35 - 15 + seg	

			Ho Co not Leaf Br Br			
F3-401A88(C2854-3xB2913A29)					7/30-15-35	
7/15-	8/3			+	+ seg	4297
	89					S-S
8/10	- 8/24			S	+ tr seg	4298
	90					S-S
8/19	- 8/24			S	+ seg	4299
4	Early Prolific, check					
7/15	- 7/25	(8/17)		S	0 +	4300
	401A91					M-S
8/18	- 8/24			Seg	+ tr seg	4301
	92					S-S
	- 8/24			S	+ seg	4302
	93					S-S
7/16	-S- 8/24			S	tr seg	4303
	94					S-S
8/10	- 8/24			S	0	4304

		Ht	Co	Wt	Lgf Br Br
F3-401A95 (C2854-3 x B2913A29)					S-S
4305	7/31-S-8/24 8BR-1early		S		O
4306	96 7/26-S-8/24 9BR-3early		S		S-S O
4307	97 —8/24		S		S-S sl tr seg
4308	98 7/31-8/24 8BR-3early		S		S-S tr seg
4309	99 —8/25		S		S-S sl tr seg
4310	100 7/16-S-8/24 5BR-2M-1early		S		S-S O
4311	101 7/20-S-8/24 9BR-2early		S		S-S tr seg
4312	102 7/8-S-8/1		S		Co=S Ot

HO Co 101 Lab Bk

401A103 (C2854-3x B2913A29)

7/16 - S - 8/28

1BR - [Co - Seg 3 Early]

Seg 0 4313

104

8/23 - 8/30

Seg + + seg 4314

105

7/20 - S - 8/28

1BR - [Co = Seg 7 M + Early]

Seg slt tr seg 4315

106

7/14 - S - 8/28

4BR - (4 Early Co = Seg)

Seg 0 4316 1-8

107

8/21 - 8/28

9B

S 0 Co-S 4317

108

8/3 - S - 8/28

9BR - 6M - [Co = R 1 Early]

R 0 4318 1-E

109

7/23

6BR - [Both S 2 Early]

Seg + seg 4319

7 B2913A29-1-1, Co x BR <K

7/20 - S - 8/4

S 0 4320

an occasional plant is quite purple Co on 8/28

HO Co Wt

F3 - 401/A110 (C2854-3 x B2913A29)

4321	8/12 - 8/27		Seg	sl tr seg
4322 1-E	111 8/1 - 8/16 M+ Early		R	O
4323	112 8/24 — 8/29		Seg	S-R (+ seg
4324 1-E	113 7/15 - S - 8/10		Seg	S-R + seg
4325	114 7/24 - S - 8/10		Seg	S-R + seg
4326	116 7/15 - S - 8/10		Seg	tr +
4327	116 7/10 - S - 8/11		Seg	+ seg
4328	117 8/10 S 8/25 5BR - 1M		R	tr seg

HO Co 101 Ent Br

-3-401A118 (C2854-3 x B2913A29)

4329

7/5 - S -

Seg + tr seg

119

4330

7/17 - S - 8/12

Seg + seg 1-E

120

4331

7/25 - S

8BR - [Co - seg 2 Early]

Seg + tr seg

121

4332

8/22 - 8/27

Seg + seg

122

4333

7/17 S 8/12

Seg + seg 1-E

123

Co = S

4334

8/2 1E 8/17 - 8/26

S + + seg

124

Co - S

4335

8/21 - 8/27

S tr seg

125

4336

8/20 - 8/26

R tr seg

Ho Co wt Lt Br

F3-401A126 (C2854-3 x B2913A) Co = Seg

4337 8/17 - 8/28 Co 76/20 S slth seg

127

4338 8/16 - 8/24 S Co = S tr seg

128

4339 7/18 - 7/26 S tr seg

Blue Rose, ch.

4340 8/19 - - 8/24 + 84

401A129

4341 8/17 - 8/26 Seg 0

130

4342 8/14 - 8/28 R + 0

131

4343 7/20 - 8/12 S mostly S 0

401A3-1

4344 7/14 - S - Seg tr seg

19 BR - (Co = S Early)

				to lo int	lig Br Br
F3-401A3-2 (C2854-3 x B2913A)					
(7/13 - all E) discard —			S	+ seg	4345
F3-401A3-3					
(7/11 - S - all E) disc			S	+ seg	4346
-4					
7/25 - S - 8 BR - 7 M+ Early			S	sl tr seg	4347
-5					
8/14 - 8/28			seg	+ seg	4348
-6					
8/1 - S 8/28 10 BK - [CO=S 2 Early]			seg	+ seg	4349
-7					
8/16 - 8/28			S	0	4350
-8					
7/12 - (S - 8/28 early/late)			S	+ seg	4351
-9					
7/25 - S - 16 BR - [CO - seg 5 early]			seg	+ seg	4352

HO Co WI lgt Br Br

F3-401A3-10 (C2854-3xBr913A29)

4353 7/3 - 7/21 S + seg

-11

4354 7/15 - 7/30 seg + seg

-12

4355 7/26 - S - 9/24 seg tr seg

13 BR - (Co - seg 6 early)

-13

4356 7/17 - S - Early Co = S

8 BR - (Co = S 3 early) S + seg

-14

4357 7/15 - S late - Co = S

11 BR - (Co = S 3 early) S slt seg

-15

4358 8/19 - 8/28 late Co = S

S + seg

-16

4359 7/24 - S 9/29 Seg + seg

10 BR - (Co - S 4 early)

C2854-3, BlueRose-41, check + 92

4360

			Ho Co mi	Left BL R	
1)	F3 - 401/A3-17 (2854-3x Reg 13A 29)			+ seg	4361
	7/20 - 8/3		Seg		1-E
		-18			
	8/19 - 8/28		R	O	4362
		-19			Co = R
	7/26 - 10 BR - [Co = R 2 early]		R	O	4363 1-E
		-20			
	7/24 - 8/3		Seg	slt + seg	4364
		-21			
	7/16 - 7/26		Seg	O	4365
		-22			
	7/15 - S - 20 BR - (Co = Seg 6 early)		Seg	+ seg	4366
		-23			
	7/24 - 8/5		Seg	+ seg	4367 3-E
		-24			
	7/20 - S - 8/24 17 BR - [Co = Seg 8 early]		Seg	O	4368 1-E

Ho Co wi Light Br

F3-401 A3-25 (C2854-3 x B2913 A29)

4369 8/20 - 8/28 — seg / + seg

-26

4370 7/16 - 8/3 — Seg or SP / + seg
1-E
good

-27

4371 7/15 - 7/31 — seg / + seg
1-E

-28

4372 7/15 - S - 8/24 — seg / 0
1-E
16 BR - (Co = 2 seg 6 early)

-29

4373 7/14 - 8/8 — seg / 0

-30

4374 7/15 - S 8/11 — seg / 0
1-E

-31

4375 7/10 - 8/4 — seg / + seg

-32

4376 7/25 - S — seg + / 0
15 BR - (Co = 2 seg 8 early)

Ho Co not Ger. Br.

F3-401A3-33 (C2854-3xB2913A2-9)

7/20 - 8/2 Seg tr seg 4377

-34

8/20 - 8/29 ~~Seg~~ R Seg + seg 4378

-35

8/20 - 8/29 Seg + 4379

14 Early Prolific, Check.

7/13 - 7/24 S + 4380

F3-401A3-36

8/20 - 8/29 Seg + seg 4381

-37

7/23 - 8/4 S or Seg 0 4382

-38

7/15 - 8/3 S or Seg tr seg 4383

-39

8/19 - 8/25 Seg + + seg 4384

Ho Co WT leaf Br.

F3-401A3-40 (C2854-3 x B2913A)

4385 7/15-S-8/28 — Seg — O
12 BR — (9 = Seg leg 7 early)

-41

4386 7/19-S-8/27 — Seg — tr seg.
11 BR (co = S or Seg 7 early)

-42

4387 7/16-S-8/8 — Seg — O
1-E (all hull 1 pl)

-43

4388 7/25-8/4 — V. good plant R — O
2E

-44

4389 7/13-8/3 — Seg — O

-45

4390 7/20-S-8/23 — Seg — + seg
7 BR (co = Seg 2 Early)

403 A H (C2854-3 x Colusa)

4391 7/6-S- — O

1-2

4392 7/3- — O

Ho Co not leaf Br

F3-403A1-3(C-2854-3x Colusa): BR-21

7/12 - S -			th neg.	4393
				1-ε
	-4			
9/13 -			+ th neg.	4394
	-5			
			· 0	4395
7/15 - S -				
	-6			
			0	4396
7/14 - S -				
7/8 - S	-7		- .0	4397
	-8			
			+ neg.	4398
7/11 - S				1-ε
	-9			
8/18 -			th neg.	4399

7 B2913A29-1-1-1, Co x BR, ck 0 4400

7/13 - 7/27

				HO CO NT	Lgt Br Br
F3-403A2-1, (~~G2854-3~~ BR-41 x Colusa)					
4401	7/14	S-			tr seg
1-E					
	-2				
4402	7/11	S-			slt tr seg
	-3				
4403					0
	-4				
4404	7/12	S-	8/1		0
	-5				
4405	7/19	S.			0
F3-403A3-1, (~~G2854-3~~ BR-41 x Colusa)					
4406	7/10	-5			+ seg
1-E					
	-2				
4407	8/17	-		+	0
	-3				
4408	8/12	-			slt seg

F3-403A3-4 (~~C2854-3~~ BR-4 x Colusa)

7/8 - S - 4408

-5

7/11 - 7/30 O 4410

-6

7/14 - S O 4411

-7

7/17 - S 4412

-8

7/24 - 7/24 O 4413

1141 Loop CO = Resistant through 4493 Spot loading

F3-404A1-2 (~~C2854-3~~ BR-41 x Early Prolific)

(eg 7-2) 7/14 - 7/24 O-th 4414

3-E

F3-404A1-5

(eg 7-1) 7/11 - 7/25 E > Leg. O-th 4415

2-E

(eg 7-1)

1-10 E > Leg. O-th 4416

7/13 - S - 8/12

3-E

(all E hunt / plant (natl Cross

all CO resistant in 1941

Ho 6 1/05 Leaf Rust Endosp. 1941

F3-404A1-14 (C2854-3 x Early Prolific)

4417 7/14-Seg-late — ot (Seg 4-4) (V. transduced in 1941)

1-18

4418 7/13-7/26 — ε = Seg — ot (Seg-6-2)

6-E

1-20

4419 7/20-S-Mod late — ε = Seg — ot (Seg 6-2) (V. transduced in 1941)

3-E

8-M

4420 Blue Rose, ck. — 8/24 — + — ot — 84

F3-404A1-22

4421 7/14-S-8/20 — ε = Seg — ot (Seg 6-2)

1-E

1-23

4422 7/11-7/23 — ε = S — ot (Seg 5-3)

1-E

1-24

4423 7/13-7/25 — ot (Seg 6-2)

4-E

1-25

4424 7/12-S-Mod late — + — ot (Seg 6-2)

3-E

ell co resistant in 1941, except 4426

1941
Isoperm

HO Co NT leaf Bl

F3-404A1-29 (C2854-3 x Early Prolific)

(Fig 7-1)

7/15 – 7/24

IV. Isoplant Hd 8/5

4425

ε = Mich Ky OH

4-ε

V. heavy mycelium growth 7/10/42

(Fig 7-1)

1-41

CO = susceptible in 1941

ε = S OH

4426

7/15 – 7/24

1-42

Ind OH

4427

2-N

(Car)

1-45

ε = Ind OH

4428

7/16 – S = 8/20

2-Mid

3-ε

(Car)

1-46

ε = S OH

4429

7/19 – S – late

2-late

(Fig 7-1)

1-47

ε = Ind

4430

7/12 – S – Mid + late

O

2-ε

(Fig 5-2)

1-48

4431

7/14 – S – Mid + late

ε = Ind OH

2-M

5-ε

(Fig 5-3)

1-49

4432

7/7 – S – Mid + late

ε = Ind OH

2-M

1-ε

all CO resistant in 1944

No CO in Leaf Endosperm 1941

F3-404A1-53 (C2854-3 x Early Prolific)

4433 7/15-S- ε = Seg ot (Seg 4-2)
2-ε

1-57

4434 7/15-S- ε = S ot (Seg 5-3)
1-ε

1-62

4435 7/13-S- ε = Seg ot (Seg 7-1)
2-ε

1-63

4436 8/11 - + late M = Seg ot clear

1-72

4437 7/13-S- 8/18 ε = Seg ot clear
2-M
3-ε
Tr yg 2 Early plants extend.

1-73

4438 7/16-S- Mid + late ε = Seg ot (Seg 7-1)
1-ε
3-M

1-76

4439 7/15-S- ε = Seg ot (Seg 7-1)
3-ε

4440 C2854-3, Blue Rose-41, ck th + 92

all CO resistant in 1941

F3-404A1-77 (2854-3 x Early Prolific)

			ε = Segr.	4441
7/15 - S -				
			tagged 1 Eplant	
	1-78			
7/14 - S			ε = Mod S	4442
				1-ε
	1-80			
7/16 - S -			ε = Seg.	4443
			Tagged 1 Epl	4-ε
	1-82			
8/15 -				4444
	1-32			
7/14 - 7/24			ε = Seg	4445
				5-ε
	1-43			
8/18 -				4446
	1-44			
7/16 - S -	8/18		ε = Mod R	4447
			t = Seg	4-ε
	1-50			
7/17 - S -			ε = R	4448
			t = Seg	4-ε

all CO resistant in 1941

				Ht	CO Wt	Leaf Blight 1941 Endosp

F3 404A1-51 (C2854-3 x Early Prolific)

4449	7/16 - 7/25			Prob Seg mosaic	+	(Seg 6-2)
12-E						
	1-52					
4450	7/14 - S - 8/24				+	(Seg 6-2)
4-E						
	1-54					
4451	8/16 - 8/24			Seg	+	(Seg 5-3)
	1-55					
4452	8/20 - 8/24					clear
	1-56					
4453	7/15 - S - 8/17			Seg		(Seg 6-2)
2-E	Iowa V. clean early plants					
	1-58					
4454	8/16 - 8/24				+	clear
	1-59					
4455	7/14 - S - 8/18			E-Seg		(Seg 6-2)
3-E						
	1-60					
4456	8/17 - 8/24					clear

all Co resistant in 194

F3-404A1-65 (C285-3 x Early Prolific)

7/15-S-8/23 — o — 4457 — 4-E

1-67

7/18-S-8/24 — o — 4458 — 5-E

1-68

8/1?-8/2? — o — 4459

Early Prolific, ck. — + — 4460

7/11-7/24

F3-404A1-70, — ++ — 4461 — 5-E

7/15-S-8/2?

1-71 — ++ — 4462 — 1-E

7/15-S-8/26

1-74 — + — 4463 — 4-E

7/15-S-8/2?

1-79 — + — 4464 — 2-E

7/13-S-8/24

all CO resistant in 1941
From #466 on - all opaque in 1941

			HO	Co wt	Leaf BC / Endosp 1941
F3-404A1-81 (C2854-3 x Early Prolific)					
4465 2-E	7/18-S-8/24		Seg		+ Seg 5-3
	1-64				
4466 1-E	7/14-7/24		Seg		+ opaque
	1-66				+
4467 1-E	7/15-S-8/24		E = R? L = Seg		
	1-69				+
4468	8/17-8/24				
	1-75				+
4469	7/15-S-8/24		E = R. L = Seg		
	1-83		+		+
4470 1-E	7/14-7/25		Seg		
	1-84				+
4471	7/17-S		E = Seg		
F3 404A2-61			+	+	+
4472	7/13-7/26		Seg		

all opaque in 1941 and all C O resistant

Ho Co Wi Lan Bl

F3-404A1-1 (C2854-3 X E. Prolific)

7/15-7/26		+ Intermediate Seg.	+	4473
7/10-7/25	1-3	+ Seg.	+	4474
7/11-7/23	1-4	+ Seg.	+	4475 1-E
7/14-7/23	1-6	+ Mod-S	+	4476
7/13-7/23	1-7	+ Mod-S	0	4477
7/13-7/23	1-8	+ Seg.	+	4478 2-E
7/14-7/23	1-9	+ Seg.	+	4479
7/7-7/21	S25262, EP x BR	+ + + +	+	4480

EP x BR
S 2626

all opaque in 1941 and all CO resistant

			HO	Co	WI	leaf Bs.
F3-404A1-11, C2854-3 x E. Prolific						
4481	7/7	7/13 - 7/23	±	+	+	
1-E		D type and typo also 1 delplant	R-Med	Prot sen		
	1-12		±	+	+	
4482	7/11 - 7/23		seg			
1-E						
	1-13		±		+	
4483	7/12 - 7/23		mod S			
			seg?			
	1-15		+		+	
4484	7/13 - 7/25		mod S			
			seg?			
	1-16		+		+	
4485	7/13 - 7/24		mod S.			
	1-17		+		+	
4486	7/13 - 7/24		Seg			
2-E			NS			
	1-19		+		+	
4487	7/14 - 7/25		Seg			
	1-21		0		tr	
4488	7/13 - 7/25		Seg			

susceptible in 1941, and C0 resistant to 4493

Ht Co Wt Lvg Bl

F3-404A1-26, C2854-3x E. Prolific

		+	tr		4489
7/12 - 7/23		Leg			
	1-27	++	tr		
		Sag			4490
7/12 - 7/23		S			2-E
	1-28	++?	0		
					4491
7/14 - 7/24		Leg			
	1-30	+ +	tr		
					4492
7/13 - 7/23		Leg			
	1-31	+	tr		
		Leg			4493
7/12 - 7/23					1-E
	1-33	C0 susceptible in 1941			
		S	tr		4494
7/14 - 7/23					1-E
	1-34	C0 susceptible in 1941			
		S	tr		4495
7/13 - 7/23					1-E
	1-35	C0 susceptible in 1941			
		S	0		4496
7/14 - 7/23					1-E

(4497 to 4502 all opaque in 1941 and all CO susceptible

HO Co WI Leaf Br

F3-404A1-36, C2854-3 x E. Prolific

4497 7/10-7/23 S +
1-E 1pr tipplant.

1-37, S +

4498 7/14-7/23
1-E

1-38 S +

4499 7/12-7/23
1-E

S25302, EP x BR. check

4500 7/8-7/23 EP x BR 25302
S ++ +

F3-404A1-39 +

4501 7/12-7/23 S
1-E

1-40 +

4502 7/15-7/23 S

F3-401IA1, C2854-3 x E. ~~Prolific~~ Calo Co = R

4503 -8/21 + +

2 Co = R

4504 8/15-8/24 0

		Ho. Co Wt leaf Bl		
F_3-4011A (C2854-3 x Calotis)			Co=R	
8/3 – 8/18			0	4505
F_3 4014A (C2854-3 x Blue Rose)			all are Co=R	
			+	4506
	2		+	4507
	3		+	4508
	4		+	4509
	5		+	4510
8/16 –				
	6		+	4511
	7		+	4512

all Bl are tinged

					Hd Lo Wt Leaf Br
	F3-4014A8, C2854-3x Blue Rose				
4513					All are Co-Res +
4514	9				+
4515	10			+	+
4516	11			+	+
4517	12			+	+
4518	13			+	+
4519	14			+	+
4520	C2854-3, BR-41, check.				92 +

Ho Co wi lead Br

F3- 4014A15, C2854-3 x Blue Rose all Co=R

		+	4521
16		+ +	4522
17		+	4523
18		+	4524
19		+	4525
20		+ +	4526
21		+	4527
22		+ +	4528

			No Cobs		
	F3-4014A23,	C2854-3 x Blue Rose	all Co = R		
4529				+	
4530	-24,	"		+	
	F3-4015A1	2+3	all Co = R		
4531	(B2912A13 x C2854-3)			0	
	8/1-S-				
4532	2			0	
4533	3		+	0	
4534	4			0	
4535	7/25-S- 5			0	
	3-E				
4536	6			0	

Rows 4531-4585 inoculated with race 2 C.O. on 8/31

(B2912A13 x C2854-3)

F3 4015A7 2+3 o-t 4537

8 o 4538

9 t 4539

C2854-3 BR-41, check. + 4540

F3- 4015A10, (B2912A13 x C2854-3)

10 o 4541

11 o 4542

12 o 4543

13 o 4544

HO Co WI leaf Bl

(B2912A13 x C2854-3)

F3- 4015A14

4545			0
4546	15		0
4547	16		0
4548	17		t
~~4549~~	~~18~~		~~0~~
4549 8/17-	18		0
4550 8/17-	19		0
4551	20	+	0
4552 8/16-	21		0

Ab lo wt leaf Br

F3-4015A22 (B2912A13 x C2854-3)

8/15-		o	4553
	23	+ o	4554
	24	+	4555
8/17-	25	+	4556
8/18-	26	o	4557
8/16-	27	+	4558
8/17-	28	o	4559
2	C2854-3, BR-41, check.	o-+	4560

				(B2912A13 x C2854-3)
				F3-4015A29
4561	8/15-			o
		30		
4562	8/16-			th
		31		
4563	8/16-			o
		32		
4564				o
		33		
4565			+	o
		34		
4566	8/17-			o
				F3-4016A1
4567	8/15-			(B2912A47 x C2854-3)+ o
		A18	+	o
4568	8/16-			

(B2912A47 x C2854-3)

F3-4016A2

8/15 -		o	4568
	3	+	4570
8/18			
	4	+	4571
8/16 -			
	5	+	4572
8/11 -			
	6	+ +	4573
8/12 -			
	7	+	4574
8/10 -			
	8	+	4575
8/12 -			
	9	+	4576
8/11 -			

4577	F3-4016A10 (B2912A47 x C2854-3			+	+
	8/11				
4578	+	11			+
	8/13				
4579		12			+
	8/16				
4580	C2854-3, BlueRose-41, <check.				92
4581	F3-4016A	13	(B2912A47 x C2854-3)		+
	8/13				
4582		14			+
	8/13				
4583		15			+
	8/17 -				
4584	+	16			o+
	8/14 -				

Normal + 4016A is not standing, smaller than 4015A & normal sunnier than 4015A &

F3-4016A17 (B2912A47 x C2854-3)

8/13-

F3-4017A1 (Arkrose x C2854-3)

8/13

2 8/11-

3 8/14-

4 8/15-

5 8/13-

6 8/13-

7 8/15

				Ho	Co	Wi
4593	F3-4017A8 (Arkrose x C2854-3)					
	8/13					
4594		9				
	8/16					
4595		10				
	8/10					
4596		11				
	8/15					
4597		12				
	8/11 - 8/18					
4598		13				
	8/13					
4599		14				
	8/14					
4600	C2854-3, Blue Rose-4L, check					

(Arkrose x C2854-3)

F3 - 4017A15

8/16		+	4601
	16	+	4602
8/13 -			
	17	+	4603
8/16 -			
	18	+	4604
8/15 -			
	19	+	4605
8/10			
	20	0	4606
8/16			
	21	0	4607
8/14 -			
	22	+	4608
8/13 -			

			HO Co WT - Leaf Rust		
4609	F3-4017A23, (Arkrose x C2854-3)		alt Co - R.		
	8/12 -			th	
4610		24		th	
	8/15				
4611		25		+	
	8/12				
4612		26		+	
	8/13 -				
4613		27		th	
	8/14				
4614		28		+	
	8/14				
4615		29		+	
	8/13 -				
4616		30		+	
	8/13 -				

F3-4017A31, (ArKrose x C2854-3) + 4617

8/13

32, + 4618

8/12

33, + 4619

8/13

Blue Rose, Check. + 4620

F3-4044A1 (B323A2-8-2-1) x Blue Rose) + 4621

7/25 - 8/4

2 " + 4622

8/1 - 15

F3-4045A1 (B323A2-8-2-1 x C2854-3) + + 4623

2 " + 4624

8/10 -

Rows 4623-4626 inoculated
with rust = C.O. on 8/3

HO Co WI Bu

F3- 4045A3, (B323A2-8-2-1 x C2854-3)

4625 +

4626 4, " +
7/31 - 8/8

F3- 4046A1 (B2920A4-9-1-1 x C2854-3) Early Co = T

4627 +
8/10 -

A2 Early Co = T

4628 7/24 - 8/4 +

3 Early Co = T

4629 8/6 - +

4 Early Co = R

4630 8/9 - + +

5 Early Co = R

4631 7/28 - 8 - +

6 Early Co = T

4632 7/30 - 8/10 +

HO Co Wt Leaf Rust

F3-4046A7 Early Co = R + 4633

8/2 - 8/13

8 Early Co = R + 4634

8/3 - 8/14

9 Early Co = R + 4635

7/23 - 8/3

F3-4046A10 S + 4636

7/28 - 8/6

11 + 4637

8/7 -

12 + 4638

8/11 -

13 + 4639

Blue Rose, check. + + 4640

HO Co wt
(IBR x F)

F3-4046A14, (B523A7-8-2-1 x C2854-3)
4641 7/23 - 8/12 +

F3-4047A1-1 (B2913A31-2-1-4 x C2854-3)
4642 8/16 - th

F3-4047A1-2 "
4643 8/18 - oth

Crowley Selections for Heading Notes

644 C41-3733 - DxK Crowl
8/27 - 9/2 oth

C41-2133 - FxF-C Crowley
4645 8/11 - 8/18 - oth

C41-3695 - FxC Crowl
4646 " - o

C41-3703 - FxC Crowl
4647 8/29 o

C41-3705 - FxC Crowley
4648 8/28 - th

			HO	Co	WT	Leaf Br	
owley C41	1677	F x 461			o		4649
	8/16 – 8/26						
4	Blue Rose, Ck.				+	+ v	4650
	8/19 – 8/25						
owley 41	1660	F x 461			o		4651
	8/10 – S – 8/29						
owley C41	1710	461 x N			ot		4652
	8/31						
owley C41	1734	461 x N			o		4653
	8/17 – S –						
owley 41	2630	N x BR	(2-20-4)		o		4654
	8/16 – S –						
Cowley 41	2637	N x BR	2-20-5		o		4655
	8/13 – S –						
Cowley 41	2646	N x BR	2-20-7		o		4656
	8/8 – 8/16						

			H2O Co wt	leaf B2	
4657	C41-2663 8/9-8/17	N x BR	2-20-26 O	Crowley	
4658	C41-2673 and 74 8/10-8/19	N x BR	2-20-26 O	Crowley	
4659	C41-2724+25 8/8-8/17	AL-5-18-1, I x BR +		Crowley	
4660	✓ mix, ck 8/15-8/28		O	49	
4661	C41-2763 and 64 7/30-8/14	AL-5-30, I x BR O+		Crowley	
4662	C41-2772 8/12-8/31	AL-5-30, I x BR O		Crowley	
4663	C41-3612 8/30-	S x BR	2-21-27-12 +	Crowley	
4664	C41-3626 8/29-	S x BR	2-21-32 +	Crowley b	

HO Co WI leaf BL

Ashby C41	3646 8/30	White Rex	x BR	+ +	4665
Ashby C41	2872 9/28	3-I-2-23, BR x (BR - Rex)		ot	4666
Ashby C41	3096 8/26 - 9-1	3-I-13-2-7, BR x (BR - Rex)		+	4667
					4668
					4669
				✓	4670
					4671
					4672

46 81

4684

4697

d705

4713

4721

47 29

4737

4742

3938
3938A Glutinosa 38-30 S. Lopez Island
2 6 rows

41-2547 (glut 6 rows)

4751

grown 1943

F3 of (SP x SJ) x BR-4) from
Gourley 1942 rows (F3) corn stu
(3942 to 4031)

4756

F_2's Populations

401A3

403A1, - (BR-41 C2854-3) x Colusa

404A

405A

~~4014A2~~ (BR-41 C2854-3) x Blue Rose

4015A1 - (B2912A13 (K x BR) x (BR-41 C2854-3))

Inoculated Aug 10

and } bulked in 1942

4016A1 - (B2912A47 (K x BR) x (BR-41 C2854-3))

Inoculated Aug 10

F2 Populations, continued:

4017A - ArKrose x (C.2854-3 BK-41)

4019A1 - StormProof x (B2912A13K

7 out of 7 pl. v good

13 subs on 9/15/42

all plants to constant tone gut

clean for N.D.

4022A1 - (B321A2[illegible], RxD) x (B3313A1-4 RX7689)

3 backs on 9/15/42 E v Mud

Burbank 1942

4022A

4025A1 - (B3313A1-16, RX7689) x (B3313A1-4, RX768

4030A

40-50 subs on 9/15/42 E v Mud.

4026A5 - (B3313A1-16, Rx1689) x Rexoro

31 early, mid season ears, appear to be as white early as 4033A. Very good.

Dallas in 1942

(4027A3 - (B323A5, RxSBR) x Rexoro
4031A)

Earliness is dominant
15 ears lay on 9/15/42

4030A3 - (B3313A1-4, Rx1689) x (B324A1, Rx5044)

ears not long & very wide entirely
ears. Ear prob within 3 rows of prev.
very promising population

4031A1, - (B324A1, Rx5044) x (B323A5, RxSBR)

32 early & mid ears on 9/15/42
Possibly make a few late ears.

F2, - Populations, Continued:

Bulked in 1942

4026A
4032A3 - (B324A1, Rx5094) x (B321A2-9, RxD) 6
4033A
4042A
Early selfs made

4033A4, - (B324A1, Rx5094) x (B3313A1-16, Rx7689)
Early selfs made

4034A3 - (B324A1, Rx5094) x (B321A2-5, RxD)
34 selfs from earliest plants Nov 9/42

4035A1, - (B324A1-8, Rx5094) x Rexoro 5
11 earliest plants Nov 9/42

4035A2, (B324A1, R1509A) x Rexoro 10

34 ears (earliest plants Ht 9/4/42

Autumn 1942

4034A
4036A1 - (B321A2-5, R x D) x Rexoro 3
4041A
4043A (earliest plants) Ht 9/17/42 15 ears, grade

4040D2 - (B2920A9, IBR x F) x (B2912A13, K x BR) 6

few ears

4040E1 ——— do 10

few ears

F2- Populations, Continued

4041A1, (B321A2-5, R×D) × (B324A1, R×S0,94)

Sand Catgale

4042A1, - Rexoro × (B321A2-8, R×D)

Sand Early sel

4043A1, - (B321A2-5, R×D) × Rexoro.

4044A3, (B323A2-8, R×SBR) × Blue Rose

S

~~IIII~~-~~IIII~~ ~~IIII~~-~~IIII~~-~~IIII~~
~~IIII~~-~~IIII~~-III

38

R

~~IIII~~-~~IIII~~-~~IIII~~-~~IIII~~ ~~IIII~~-~~IIII~~
~~IIII~~-~~IIII~~-~~IIII~~-~~IIII~~-~~IIII~~
~~IIII~~-~~IIII~~-~~IIII~~-~~IIII~~-III

83

Prob 3:1

4045A1, – (B323A2-8, RxSBR) x (C2854-3)

4046A3, (B2920A9-9, IBRxF) x (C2854-3)

4047A1, – (B2913A31, CoxBR) x C2854-3

4051A1, – (B2913A29, CoxBR) x Coloro

F2 - Populations, Continued:

4052A1, - Colusa x Redmi

3922A1, - Blue Rose x CI-5309

392: A1, - ~~CI 5312 x CI 5309~~

~~Blue 25A x 25A (5312 x 5309) x (5309 x BR)~~

Transfer to 1 2 (BR-41)

401A3, (C2854-3) x (B 2913A29, Col x BR)

(spare)

404A1, - C2854-2 x Early Prolific

19	14	11	11	4	10
15	20	7	7	3	9
17	17	5	5	2	7
10	21	4	4	1	5
18	15	8	14	11	25
79	87	34	41	29	72

405A, Multi-Recessive x C.I. 1696 (Brittle-Straw)

4055A3, - C.I. 2671 x C.I. 1696
(Liguleless) (Brittle Straw)

C.I. 5548 Nat'l Cross A

CI-5548 Nat'l Cross-B

F_1(Co x Cub.) x ?

38-3033, doubled Haploid
(Naturally during summer 1940).

B283A6-7, (EXF, Glutinous)

F_2 - of 1941 Crosses on Page 86

Relative Survival Expt.

Drilled Mixture (Original) ~~12" rows (9 rows~~
(9 rows - 12" apart)

Spaced Mixture (Original) ~~12" rows (16 rows~~
(16 rows - 12" apart)

Nira - Blue Rose Mixture (4 rows 12" apart)
Spaced

Spaced - Fortuna - Blue Rose Mixture
(4 rows - 12" apart)

Relative Survival Expt, continued

Spaced - Fortuna - Nira Mixture
(4 rows space 12" apart)

Spaced - Acadia - Nira Mixture
(4 rows spaced 12" apart)

Spaced - Acadia - Fortuna Mixture
(4 rows Spaced 12" apart)

Spaced - Acadia - Blue Rose Mixture
(4 rows Spaced 12" Apart)

Drilled Nira - Blue Rose Mixture
(4-rows Spaced 8" Apart)

Drilled Fortuna - Blue Rose Mixture
(4-rows Spaced 8" Apart)

Drilled Fortuna - Nira Mixture
(4-rows Spaced 8" Apart)

Drilled Acadia - Nira Mixture
(4 rows Spaced 8" Apart)

Relative Survival Expt. (continued)

Drilled Acadia - Fortuna Mixture
(4 rows Spaced 8" Apart)

Drilled Acadia - Blue Rose Mixture
(4 rows Spaced 8" Apart)

Spaced Combinations:
(1 seed every 2" alternating varieties)
Rows spaced 8" Apart, 11 ft long
and 1 row of each combination)

(Drilled Mixture (Original) just West of Spaced Combinations.
Is in 3 rows 8" Apart.

Nira - Fortuna - 1-Row

Nira - Blue Rose - 1-Row

Fortuna - Blue Rose - 1-Row

Acadia - Nira 1-Row

Acadia - Fortuna 1-Row

Acadia - Blue Rose, 1-Row

Bulk-Hybid Populations 6-Row

F8 343A1 - Nira x Kameji 234
701 Prob do not grow

F9 3318A - CI-7689 x Fortuna 235
702 Looks good Survived but do not grow.

F11 - 324A - Rexoro x CI-5094 237
703 Looks good. Prob. grow

11- Variety Composite 238
704 Do not grow

F8 - 3414A - Delitus x TS-7190 239
705 Do not grow

F11 - 321A - Rexoro x Delitus 240
706 Looks very good Prob not grow

F12 - 322A - Rexoro x T. Fortuna 241
Looks very good
707 Much Red present. Prob not grow

F11 - 323A - Rexoro x Sup. Blue Rose 242
708 Does not look as productive as 321A + 322A Prob not grow

Blocks, 36 Ft. Long 12-inch Row Spacing

F8-349A3, Nira x CI-81C 709

F8-3412A2, Caloro x Rexoro 710

F8-346A1, Shoemed x Nira 711

F8-342A2, Fortuna x CI-81C 712

F12- Short-grain x Medium-grain 713

F12- Long-grain x Medium-grain 714

F8-347A1 - Rexoro x Nira 715
Very good, grow in 1943 & also grow a spaced block from which to make sele.

F9-3313A; Rexoro x CI-7689 716
Does not stand as well as 347B Prob not grow.

Bulked Hybrid Populations, (cont.)

717 F8 - 3415A1 - Kameji x TS-7190

Do not grow in 1943

718 F13 - Long-grain x Short-grain.

Only fair

719 F8 - 3417A1 - TS-7190 x Rexoro

Do not grow in 43

720 F8 - 3416A1 - Nira x TS-7190

Do not grow in 43

721 F8 - 3411A2 - Shoemed x Caloro

Only fair

722 F8 - 345A1 - CI-81C x Kameji

Not Agnt Grow in 43
A number of Blackhulled plants
saved in 1942, Check Awning Habit

723 F8 - 340A3 - CI-81C x Shoemed

Fairly good
Dont grow in 1943

724 F8 - 344A1 - Caloro x Kameji

grow in 1943

F8 - 341A, - Caloro x Fortuna
260 good
Prob grow in 1943 725

F9 - 3310A - CI-7689 x Edith
261 Lodges too badly 726
Do not grow in 1943

F8 - 3413A1 - Caloro x CI-81C
262 fairly good 727
Prob don't grow in '43

F8 - 348A1 - Caloro x Nira
263 only fair, Prob don't grow in '43 728

F4 - 392A1 - (B314A8, SPxSJ) x Delitus
201 729
Fairly productive

F4 - 393A1, (B314A8, SPxSJ) x Shoemed
202 730
Good, quite Productive

F4 - 394A1, (B314A8, SPxSJ) x (B344A, BRxS30g)
203 Rather poor, not nearly as productive 731
as 393A, Less productive than 392A

F4 - 395A, - B314A8, SPxSJ) x 63715, Nira
204 Rather poor 732

Bulked Hybrid Populations: (Continued)

F4 - 396A4 - (B314A8, SPxSJ) x (B321A2-8, RxD)
733 Fairly good similar to 705
392A

F4 - 397A - (B314A8, SPxSJ) x (AL-11-1C, SxF)
734 Good Not as productive as 393A 706

F4 - 398A5 - (B314A8, SPxSJ) x B391, RxD
735 Good height than 392A + other 707
RxD plot.

F4 - 399A4 - (B314A8, SPxSJ) x C2854-3
736 Good Rather productive than 708
most bulking than in any
other plot.

F4 - 3910A3 - (B314A8, SPxSJ) x (B2920A9, IBRxF)
737 Only fair 709

F4 - 3911A1 - (B314A8, SPxSJ) x (B2912A13, KxBR)
738 Only fair 710

F4 - ♀ 3926A (SxEP) x (CAxCdy) ~~711~~ ~~712~~
739

F4 - ♀ 3927A, 28A, 29A, 30A, 31A, 32A+33A ~~713~~ ~~714~~
740 [(DxR) x (cdy x BR)] x (FxBR and ~~715~~
" x [(CAxBR) x (CAxCdy)] Bulked

♀

F_5 - 3723B, - F_1(Co. x Cub.) x BR 741

F_5 - 3724B, - F_1(Co. x Cub.) x A 742

F_5 - 3727B - F_1(Co x Cub.) x Tex. 743

F_4 - 379A - (K x H) x (SP x SS) 744
Fairly good
grow in 1943

F_4 - 3715A (BR) F_1(3512A) x SBR 745
grow for sure, quite productive, very
stiff straw, should be some excellent
BR types in this population

F_4 - 3715A38 do 746
not as good as 745.
grow in 1943

F_4 - 3810B, - F_1(Sho. x E. Prol.) x F_1(Caloro x Cdy) 747

F_4 - 385B - Blue Rose x F_1(Caloro x Cdy) 748

Bulked Hybrid Populations; (cont.)

F4 - ~~381A(cal)~~ 381C- Blue Rose x Zenith (Calif-1941) 729
749
Land land sel. of BK mat.

F4 381A1, - do
750 not Pl
dust 730 in field

F4 - 383A2, Blue Rose x CI-4440
751 Very good, plt, land about 731
BK mat.

F4 - 3813B, - [(SP x SJ) x SBR] x (ALII, S x F) 732
752

F4 - 3817B, - [(Lat. x x 4700) x (1645 x S309)] 733
753

F4 - 3820B, - (Lat. x x 4700) x [(SP x SJ) x SBR] 734
754

F4 - 3823B, - [(283A2-3, ExF) x 7143] x [(SP x SJ) x SBR] 735
755

F4 3814B, - [(SP x SJ) x SBR] x [(283A2-3, ExF) x 4700] 736
756

F4- 3811B,- (1645 x 5309) x [(SP x SJ) x SBR]

757

F4- 3821B,- (Latex x 4700) x [(283A2-3, ExF) x 7143]

758

F4- 3824B,- [283A2-3, ExF x 7143] x [1645 x 5309]

759

F4- 3747A,- CI-4700 x Rexoro

760

F4- 3781A,- Rexoro x CI-81C

761

F4- 38-3033, Doubled Haploid

762

Bulk of 1940 C.O. resistant Roques from Colch B.R. plot.

763

F4- 3844A4,- Blue Rose x Lady Wright

764

Bulked Hybrid Populations (continued)

Fs-765 mut hv — Blue Rose x Early Prolific (Calif-1941) 747

766 mut hv — Calady-100 x 283A5-6-4-1-1 (Calif) 748

Fs-3726B, - F1 (Co. x Cub) x C 767 721

768 mut hv — Medium-grain x Short-grain Check 39-3089 from mixt plant

769 mut hv — Long-grain x Medium-grain Check 39-3094 from mixt plant

Caloro + Blue Rose Heat Treatment follows Bulked Hybrid populations.
Recorded in Book III Page P 36 to 55

F2 Populations, 1941 Crosses

411A1 - (B2913A29, Co x BK) x Zenith.

~~411A2~~, do

~~411A3~~, do

418A1, (41-4806, long 0.gl.) x (4055B - Lig-Britt Seg)

418A5, do

418A6, do

418A7, do

411DA1, Multi-Recessive x (41-4806-Long 0.gl.)

410A2, - Multi-Recessive x (41-4806, long Ogl.)

410A3, do

410A4, do

410A5, do

410A6, do

410A7, do

415A1, Multi-Recessive x (4055B; Lig-Britt.Seg.)

Stop

415A2, do

Only 1 plant.
It was very small may have been a true mi

4117A1 - 64 are listed in field as BC-1 to BC-64

F2 Populations; Continued.

4117A1 - F[(401A)[2854-3 x B2913A29] x B2916A34 E x B R.

Blue Rose - 41

El Paisano R

R 15 - S 6

R 4117A2 R 16 - S 4

S 4117A3 S 13

S 4117A4 S 17

R 4117A5 R 7 - S 2

R 4117A6 R [illegible] - S 4

2nd date 18 - 5

31 - 9

S 4117A7 14 pl all Smse.

R 4117A8

24 R - 13 S

4117A9,- F1,401A(C2854-3 x B2913A29) x B2916A34
20S CO x BR E x BR.

4117A10 R ||| |||| S ||||
14R-5S ||||

4117A11 R |||| ||| S |||| ||||
R 13-14S |||| ||||

R 4117A12 R ||||
12R-6S |||| ||

S 4117A13
8-S

S 4117A14
13-S light injection

S 4117A15
15S

R 4117A16 R |||| ||| S ||||
R8-3S

F2 Populations, Continued

S 4117A17 - F1-40 x A (C2854-3 x B2913A29) x (B2916A34
8S. CO x BR. EX BR

S 4117A18 -
5S

S 4117A19 -
15S

S 4117A20 -
6S.

S 4117A21
25S

R 4117A22 RHH1 SIII
RG-S3

S 4117A23
13S

S 4117A24
6S.

4117A25 F1-40/A(C2B543 x B29/SA29) x B29/6A34
R12-54 R~~HHHH~~ S1111 C0 x BR. EXBR
11

4117A26,
16 S.

4117A27
(no A27 at 1st date of seeding)
S 15 (at 2nd date) (all S)

4117A28,
36 S.

4117A29, R11 S11
R2-52

S 4117A30,
13 S.

R 4117A31, R~~HHHH~~ S~~HH~~
R11-55

S 4117A32,
10 S.

BWH. Start 2nd col with next entry!

F2- Populations (Continued)

S 4117A33, - F1 - 401A(C2854-3 x B2913A29) x B2916A34
7 S. COxBR EXBR

R 4117A34, - R HH III S1
1st det R8 - S1
2nd det R4 - S0
12 - 1

R 4117A35, R HHHH I S IIII
R11 - S4

S 4117A36,
6S.

S 4117A37
5S

R 4117A38 R HHHH IIII S HHH II
R19 - S7 IIII

R 4117A39 R HHHH III S HHHH
R13 - S10

R 4117A40 R II
2R.

4117A41, F1 401A (C2854-3x B2913A29) x B29NA34, EXBR
R11-S3 R####1 S111 C0xBK

4117A42,
24 S

4117A43,
45

4117A44,
26 S

4117A45
R 5-S4 R### S###

4117A46
41 S

4117A47
13 S

4117A48
R12-S4 R### ### S###

F2 Populations Continued

S 417A49, F1-401A(C2854-3 x B2913A29) x B2916A34
5 S CO x BR E x BR

S 417A50
49 S

S 417A51
18 S.

R 417A52 R III S III
R 3 - S 4
2nd test shows close to a 3:1 ratio in R-S but infection is not big enough to make counts.

R 417A53 and A54
Seg. [Both R: center between R+S]

S 417A54
R 2

S 417A55 R ## III S #### II
R 14 - S 7 IIII

S 417A56
18 S

S 4117A57, - F$_4$-401A(C2854-3xB2913A29)x(B2916A34)
(are 2 lots of A57 at 1st dist.) CoxBR EXBR
R6-S6 R||| S|||

S 4117A58,
27S

R 4117A59,
R13-S8

R 4117A60
11R R|||| S

S 4117A61
25S

R 4117A62
R27-S14 R|||| S||||

R 4117A63
R71-S39 R|||| S||||

S 4117A64
27S

30 Aug R+S
34 Aug S

11	S 2920A17-4-4-5-3, IBRxF 1 7/15-7/21	(8/15)			8
10	C 2920A41-2-2, IBRxF 7/15-7/27	(8/15)			10
20	C2531A3-6-2, EXF, (Rogue) 3 7/21-8/30	(8/15)			Crowley
15	NL-5-1-10, ExBR 4 7/20-7/28	(8/16)			5 Crowley
19	S 25309, EPxBR 5 7/17-7/24	(8/14)			Stutt.
2	S-25262, EPxBR 6 7/16-7/25	(8/14)			Stutt.
17	Shoemod, Schock 7 7/17-8/9				7
18	B2913A29-1-1-1, COxBR 8 7/12-7/30	(8/15)			17

C 283 A3-6-2, E x F 9 7/19 - 8/1 (8/15)		5
Zenith 10 7/18 - 7/30 (8/15)		~~3~~
S 25302, E P x B R. 11 7/16 - 7/27 (8/17)		8
Lady Wright 12 7/13 - 7/27 (8/15)		4
Prelude, E x F 13 7/20 - 7/30 (8/24)		9
Colusa 14 7/3 - 7/20 (8/10)		13
B 2916 A34-3-3-1, E x B R 15 7/22 - 8/1 (8/24)		16
early plant (7/11 Sanoma Land)		
C 283 A9-6-1-2, E x F 16 7/28 - 8/9 (8/22)		12

14	Early Prolific 17 7/15 - 7/26	(8/18)				14
7	B317A34-5, W x F 18 7/15 - 7/28	(8/22)				127
1	C2913A5-1-3, CO x BR 19 7/6 - 7/28	(8/14)				2
51	Arkansas Fortuna 20 7/21 - 8/3	(8/22)				
48	B324B34-17, R x S094 21 7/28 - 8/9	(8/24)				66
54	S2920A, LBR x F (S38-17345) 22 7/24 - 8/1	(8/22)				54
45	Texas Fortuna 23 8/28 - 8/14					46
162	Caloro 24 7/26 - 8/11					55

AL-11-12-2, S1F 25 8/1 - 8/13		56
Delitus 26 7/27 - 8/8		47
AL-5-30, ExBR 27 8/2 - 8/13		163
C322A6-18, RxF 28 7/29 - 8/7 (8/25)		55
Gunecki 29 8/14 - 8/23		170
C2854-3, BR-41 30 8/20 -		166
B3512A38-6-1, (SPxSS)xSBR 31 8/17 - 8/23		165
AL-11-10-15, S1F 32 8/2 - 8/12		43

			Ho	Co	WT	D Rt	
168	Acadia 33 8/14 - 8/22						77
53	S2920A42-6-1, IBR x F 34 7/26 - 8/4						43
161	C2912A10-1-1, K x BR 35 8/14 - 8/22						Crown
178	Calady - 100 36 8/7 - 8/16						41
60	AH-32-23, R x F 37 8/3 - 8/11						Stuttgart
58	B322A4-6-3, R x F 38 8/3 - 8/12						44
169	C2-21-25, S x BR 39 8/23 -				2+		Crowley
176	B2911A18-1-1, K x H 40 8/17 -						80

			Do	Co	WT	Sh	
44	Shoemed 49 7/26 – 8/5	Ck. (8/26)					47
164	B3712A1-7, 50 8/22 –	(K×H)×BR			tr		183
175	B2912A47-1-1-1-1, 51 8/10 – 8/20	K×BR					88
160	Blue Rose 52 8/23 –				1		84
177	Ark Rose 53 8/10 – 8/18						Stalks
190	B321B39-12, 54 8/23	R×D					22
189	C321A4-11-2, 55 8/20	R×D					82
188	Rex 01-0 56						81

57	B322 B34-2, RxF 8/22 –	179
58	B324A1-8-2-1, Rx5094 8/22	184
59	B324A1-8-2-1A, Rx5094 8/16 –	183
60	B321A2-5-1-1-1, RxD 8/24	180
61		
62		
63		
64		

3648 (Punch duo card)
3652
3662
3697

225 harvest Early tagged plants ✓

241 ✓

Counts on male sterile segregates
from 401A - F2

Rows 1-3 —	199 - 3
" 4 —	57 - 1
" 5 —	59 - 0
" 6 —	60 - 3
" 7 —	60 - 1
" 8-10 —	198 - 4 — (4 anth)
	613 - 12 = 625

Panicles from 10 seg rows
4 - R
5 - S

4531
85
F3 lines 50
20
20
4045A 10
100

1942

RICE BREEDING EXPERIMENTS

BOOK - III

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

CEREAL CROPS AND DISEASES

AGRONOMIC NOTES

MUTATIONS FROM U.S. STATIONS - pp. 1
(Rows - 5001 - 5090)
UPLAND RICE SAMPLES - pp. 6
(Rows - 5091 - 5103)
STERILE CALORO - (Rows - 6001 - 6068) pp. 8
COMPOSITE CROSSING EXPT. - (F_2) pp. 15
(Rows - 6101 - 6427)
1941 - HOT & COLD WATER TREATMENTS pp. 36
TETRAPLOIDS FOUND IN 1940-41 pp. 60
PARENTS - 1941 CROSSES - pp. 62
TRANSPLANTING BLOCK - pp. 64
F_1 PLANTS, ETC.
CROSSES MADE - - - - - 73

$F_1 - (BR\ 41 \times 2913 A\ 29) \times$ 2916 A ExBR

SAMPLE PAGE

VARIETAL TEST OF OATS, 1908

CONDITIONS OF EXPERIMENT

PLOT

Location.....Field H.

Size.....1/20 acre.

SOIL

Kind.....Prairie loam.

Position.....Somewhat rolling.

Previous crop.....Corn.

NAME AND CONDITION OF MACHINERY

Plow.....

Disk..... Osborn.....Sharp.

Harrow..... U Bar.....Good.

Seeder..... Monitor.....Good.

.....

SEED

Variety.....Variable.

Weight per bushel.....Variable.

Source.....Variable.

Treatment.....Fanned clean and treated for smut.

SEED BED

Preparation:

1. Disked (lapped half).....4–6–'08.
2. Disked (lapped half).....4–10–'08.
3. Harrowed.....4–10–'08.
4. Harrowed.....4–27–'08.
5. Seeded.....4–27–'08.
6. Harrowed.....4–27–'08.

SEEDING

Manner.....Drilled.

Date.....4–27–'08.

Rate.....3 bushels per acre by weight.

8—72 U. S. GOVERNMENT PRINTING OFFICE

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

8—72

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

8—72

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

Mutations from UNITED STA

	Louisiana Material:	Source
5001	Blue Rose Dwarf May have a longer head than the La dwarf. Check this in 1973	Ark.
5002	Blue Rose Dwarf Normal plant	La. 4056
5003	Grassy Dwarf - 4057	La.
5004	Early Prolific - 062 (Long outer-glumes) 8/5 - 8/14	La.
5005	Abnormal 2nd Growth - 055 (Node shoots) 8/6 - 8/14	La.
5006	5399-041 Purple hull glutinous 8/8-	La.
5007	Glutinous Red - 0174 Sent to Johnny W. B. Smith	La
5008	2912A21-Virescent-0139	La

S Rice Experiment Stations:

ource

ouisiana Material continued:

ha. Tall Small Seed - 076

5009

from a row of 2 x 8 R.

La (1239 x E. Prol.) Intermediate dwarf (for F4)

*6150

8/1 - 8/11

5010

Uneven normal plants (4 or 5)

La. Rexoro Dwarf.

5011

La. E. Prolific long outer-glumes - 065

8/5 - 8/13

5012

La. RxF - Early Mutation - 103

8/16 -

5013

La. RxF - Early Mutation - 105

8/15

5014

La. RxF - Early Mutation - 106

8/13 -

5015

La Purple Plant - 0224

8/15 -

5016

Louisiana Material, continued. Source

3794 - Fragrant - 032 La

5017 8/10

Brittle - 051 La

5018 7/12 - 7/25 approx

Liguleless - 052 La.

5019

Sathi - 059 La

5020 Not Ripening by 8/14

4630 - Cluster - 059 La

5021 8/16 -

SPI - 133,000 large Spikelets, owned, La. #036

5022 7/12 - 7/25 approx

5023 CI-4011 - Purple Glutinous (long outer glume) La #40

CI-4957, Small seed La. #035

5024

ouisiana Material Continued:

a CI-1239 opaque - 6098
8/6 - 8/13 5025

La. CI-7739 - Purple Collar - #044 5026

La. Recessive White Glumes (Bmt) 0115
8/8 - 8/16 5027

La Caloro X-Ray Mutation - 071
8/11 5028

La Caloro Medium-grain - 072
8/9 - 8/17 5029

La. Caloro X CI-4700 (4-8-S-3) 1 plant
Rolled leaf La-R3790. 5030
1 plant in row Jordon sorghum ok.

La. Purple Straw Rexoro La #3464 5031

tKansas Material:
club panicle Sterile 5032
8/15-

Arkansas Material, continued:

5033 hazy Rolled leaf

5034 hazy
8/4-

5035 Blue Rose Dwarf

5036 Rolled leaf
7/28-8/5

dwarf normal plants.

5037 ha. Blue Rose tetraploid-like (1pl.) sterile ←

5038 Branch Panicle culm A (Normal) of 5033

5039 Caloro x Blue Rose (1pl.) sterile

5040 Edith x Fortuna, 1 panicle, 3 branches, same culm, normal awned
8/5-8/14
no white tip

Arkansas Material, continued:

Edith x Fortuna, 1 panicle, 3 branches same culm (White tip) 5041

8/5 - 8/4

no white tip looks same as 5040

a. Blue Rose, compact panicle 5042

Neshibu x Supreme Blue Rose
43A, short neck, semi-sterile 5043

Texas Material:

Blue Rose, intermediate Dwarf, Nome, Tex. 1939 5044

Garden Rice - 5616-24 (SP x SJ) x SBR 5045

Grassy - 41-3542, (SP x SJ) x SBR 5046

Semi-Dwarf - 901 - B353A2-14-1-1-1 (K x 7143) 5047

8/6 - 8/

Club PANICLE.

Single Florets per Rachis Branch (7482 x 5094) 5048

Texas Material continued:

Abnormal Blue Rose (colch. seed Treatme

5049

Rolled leaf. – B3514A1-25 (ExBR) x SBR

5050

Normal plant

Disease Mutant (Edith x Fortuna)

5051

Honduras sterile (1 seed)

5052 From Jones

Large-Seeded Bearded from Honduras

5053 (Plot-31 in 1941)

8/8-8/17

Large Seeded Bearded from B283A 1941 #3

5054

8/14–

B3715A27-1, [(SP x SJ) x SBR] x BR [sterile 41-50

5055

Highly Sterile 41-5068 from Fortuna

5056

8/14–

appeared to be segr.

Texas Material, continued:

Semi-Sterile Blue Rose, 41-5061 5057

Short Stature, Small seeded, Highly Sterile 41-4641 5058

F_2 – 401A Very Short, semi Dwarf (B2913A2g x BR-41) 5059

Club Panicle, highly Sterile F_1(Co x Cub) x A 5060

From Seed set on Nira Triploid in 1940 (Trisomic?) 5061

4014H2-15 Blue Rose Heat Mutant (Trisomic) 5062

B3911A, dwarfed F_3 Plant (SP x SJ) x (k x BR) 5063

8/14 –

California Material:

Brittle Kama ~~Fuji~~ Iraju 5064

7/10 – 7/20

California Material, continued:
higuleless - Tsutsuito

5065

Weitin, long outer-glumes

5066

Dwarf - 24185-14-1-1, Small seed

5067
8/7 - 8/15

Caloro Variant

5068
8/11 -

Caloro Mutant

5069
7/25 - 8/3

Dwarf (cal.)

5070
7/10 - 7/20

DWarf (Cal.) 27/A8-2

5071
7/10 - 7/20

Dwarf (La.)

5072
7/28 - 8/6

California Material Continued:

Satki, Intermediate 5073

8/9-

Satki, Recessive 5074

Old Hybrid Mixture - Abnormal sterile Plants 5075

7/20-8/2

Caloro - Hull spots (Disease) Caloro 5076

8/8-8/17

Caloro Intermediate 5077

8/7-8/14

Caloro Recessive 5078

1 plant

Rolled Leaf - R2925 (1940) 5079

7/20-7/30

Caloro Upright Panicle - R2940 (1940) 5080

8/13-

California Material, Continued:

Caloro Neck-leaf (1940)

5081 8/14-

Caloro, Partly Sterile, R2861 (1940)

5082 8/8-8/13

Caloro, Partly Sterile, R2872 (1940)

5083 8/1-8/12

Caloro X-ray, compact, sterile

5084

Caloro X-ray, small seed

5085

Caloro Short Plant, R2056 (1940)

5086 8/14-

Butte (White Awns)

5087 8/9-8/14

Sel. 299-1, Proliferation Panicle

5088 7/28-8/6

California material continued;

241B10-16-1-1, long outer-glumes 5089
8/6 - 8/13

Hybrid Mixture Lot - I-1-1, long outer-glumes 5090
8/5 - 8/13

Upland Rice Samples;

Blue Rose, - Stecklor Seed Co. New Orleans 5091

Zenith - do 5092
8/6 - 8/14

Rice — Reuter Seed Co., New Orleans, La. 5093
8/5 - 8/13

Rice — do 5094
8/6 - 8/13

Rice — otto Brown, Fairhope, Ala. 5095
8/4 - 8/12

Rice — R.D. Suber, Orangeburg, S.C. 5096
7/15 & 8/31

Upland Rice Samples, Continued:

7. Rice - otto Brown, Fairhope, Ala.
5097 8/4 - 8/15

8. Rice - do
5098 8/6 - 8/16

9. Rice - Jones, Robertsdale, Ala
5099 8/6 - 8/14

10. Rice - Jones, do
5100 8/5 - 8/13

11. Rice Anthony, - Hampton, S.C.
5101 7/15 - 7/27

12. Rice - Eleazer, Sumter, S.C.
5102 8/6 - 8/14

13. Rice - do
5103 8/6 - 8/15

5104

Stock Caloro

1-10 % sterility in 1940

6001 Caloro, ck.
8/8

6002 Caloro A
8/8

6003 Caloro A - Short plant.
8/8

6004 Caloro B
8/5 - 8/14

6005 Caloro G.
8/9

6006 Caloro G. - short plant
8/7 - 8/15

6007 Caloro I
8/8

6008 Caloro K.
8/7 - 8/14

1-10 % Sterility in 1940, continued

Caloro K - short plant
8/6-8/14
6009

Caloro - P7 - Pl.-1
8/5-8/13
6010

Caloro - P13 - Pl.-1 (6)
8/9
6011

Caloro - R 2853
8/8-8/14
6012

Caloro - R2853, Compact Panicle
8/12-
6013

11-20 % Sterility in 1940
Caloro - A-1
7/10-7/27
6014

Caloro-P3-1 pl.3
8/5-8/13
6015

Caloro-P4-Pl.2
8/8-8/15
6016

11-20 % sterility in 1940, continued

Caloro P4-pl. 2, Upright

6017
8/8 - 8/14 (very cast iv. late plant)

Caloro P6-1 pl. 4

6018
8/7 - 8/13

Caloro P7-pl. 2

6019
8/6 - 8/14

Caloro P7-pl. 2 short plant

6020
8/5 - 8/13

Caloro P9 - pl. 2

6021
8/8 - 8/13

Caloro P9 - pl. 2, less sterile

6022
8/7 - 8/13

Caloro P12-1 pl. 2 (a)

6023
8/8 - 8/14

Caloro P13 - pl. 1 (b)

6024
8/9 - 8/15

21-30% sterility in 1940

Caloro P1 - pl. 1
8/7 - 8/13
6025

Caloro P1 - pl. 2
8/5 - 8/12
6026

Caloro P1 - pl. 2, short plant
8/6 - 8/13
6027

Caloro P6 - pl. 1
8/6 - 8/13
6028

Caloro P6-1 pl. 3
8/8 - 8/14
6029

Caloro P6-1 pl. 3 more sterile
8/10 - 8/16
6030

Caloro P9 - pl. 2 (a)
8/7 - 8/14
6031

Caloro P13 - pl. 1
8/8 - 8/16
6032

21-30 % sterility in 1940, Continued:

Caloro P 13 - pl. 1, more sterile

6033 8/8 - 8/15

Caloro - ~~5~~ 5

6034 8/7 - 8/13

Caloro - R2836

6035 8/4 - 8/12

Caloro R2853(a)

6036 8/11 -

Caloro - 17 diseased hulls

6037 8/9 - 8/17

31-40 % sterility in 1940

Caloro C

6038 8/5 - 8/13

Caloro C, Short plant.

6039 8/6 - 8/13

Caloro P5-1 pl. 3

6040 8/6 - 8/13

1-40 % Sterility in 1940, continued

Caloro P8-Pl.1
8/6-8/12
6041

Caloro R2849
8/5-8/12
6042

Caloro 2960
8/7-8/13
6043

Caloro R2041
8/5-8/12
6044

Caloro R2082
8/7-8/13
6045

41-50 % Sterility in 1940

Caloro P4-1 Pl.3
8/15-
6046

Caloro P13-Pl.1(a)
8/9-8/16
6047

Caloro-7(a)
8/10-8/16
6048

41- 50 % Sterility in 1940, continued

Caloro R2848

6049 8/6 - 8/13

Caloro R 2063.

6050 8/5 - 8/12

51- 60 % Sterility in 1940

Caloro p2- p1.1

6051 8/15 -

Caloro-9 (a)

6052 8/7 - 8/15

Caloro R2040

6053 8/6 - 8/12

Caloro R2073

6054 8/6 - 8/13

61- 70 % Sterility in 1940.

Caloro R2062(a)

6055 8/8 - 8/15

71-80 % Sterility in 1940

Caloro p6-1 p1.3 (a)

6056 8/8 - 8/15

71-80% sterility in 1940, Continued:

Caloro P6-1 pl.3 less sterility 6057
8/8 - 8/14

Caloro R2844 6058
8/7 - 8/14

81-90 % sterility in 1940
Caloro H 6059
8/7 - 8/13

Caloro J (a) 6060
8/8 - 8/14

Caloro P9 - pl.1 6061
8/8 - 8/14

91-100 % sterility in 1940
Caloro - P3 - pl.1 6062
not sown

Caloro P4 - pl. 2 (a) 6063
8/7 - 8/15

Caloro P4 - pl. 2 (a) less sterile 6064
8/4 - 8/14

91- 100% sterility in 1940, cont.

Caloro P5 - pl. 1

6065 8/8 - 8/15

Caloro P.10 - pl. 2

6066 8/8 - 8/14

Caloro P15-1 pl. 3

6067 8/9 - 8/15

Caloro tetraploid (Calif. 1939)

6068 8/8 - 8/14

~~6069~~

~~6070~~

~~6071~~

~~6072~~

1" = [(S x EP) x (CA x Cdy)] x (F x BR)

F2 - Populations of Composit

Early Resistant - (1x2)

		last Hd	Ho	CO	WT	B
	4061A2 (good for Ho)	8/6	R	R	Pl = 2	
6101 E	from here to 6123 last cards	7/25 - 8/16		seg		
6102	4062A3	8/5	R	T-R	6	
		8/11 - 8/12		seg		
6103	4062A14	8/4	R	T-R	17	
		7/30 - 8/8		seg		
6104	4072A9	8/14	-	T-R	176	
		8/2 - 8/10	++	seg		
6105	4086A2	8/9	-	R	286	
		7/31 - 8/14		all R		
6106	4086A4	8/11	-	R	288	
		8/1 - 8/16	+	seg		
6107	4086A5	8/11	R	T-R	289	
		8/6 - 8/17		all R	Th +	
6108	4086A6	8/10	S	R	290	
		8/1 - 8/17		seg		

2" = [(D x R) x (Cay x BR)] x (F x BR)

disc = discard in 1942

Crossing Material (Single Row of Each population)

		1st Hd	Ho	Co	WT	Br
Early Resistant – (1"x2")						
95	4086A 11	8/9	–	R	6109	tr
		7/30–8/14		R.		
01	4087A 6	8/13	M	R	6110	tr
		8/5–		Seg		
12	4091A 1	8/14	S	R	6111	tr
	disc	8/9–		S		
Early Susceptible – (1"x2")						
4	4062A 11	8/18	R	S	6112	tr
		8/4		Seg		
70	4072A 8	8/13	–	S	6113	o
	disc	8/4–	+	S.		
72	4072A 5	8/4	–	S	6114	o tr
	disc	7/25–8/4	+	S		
73	4072A 6	8/10	–	S	6115	+
		7/23–8/10		S		
91	4074A 2 highly variable	8/13	R	S	6116	tr +
	disc	7/22–		S		

Lots 1 plant all discarded

1-26 = 3 resistant
11 segregating
12 susceptible

		1st Hd	H.O.	C.O.	WT
Early Susceptible – (1" x 2")					
6117	4074A3	8/14	M	S	192
	disc	7/31 – 8/16		S	
6118	4074A5 (highly sterile)	8/14	M	S	194
		7/20 – 8/16		S	
6119	4077A1	8/10	R	S	212
	disc	7/31 – 8/11		S	
6120	4077A3	8/11	M	S	214
	disc	7/30 – 8/9		Seg	
6121	4077A15	8/14	S	S	226
	disc	8/1 –		S	
6122	4078A2 good early plant.	8/9	S	S	228
	disc	8/5 – 8/14		Seg	
6123	4078A15	8/8	–	S	241
	disc	7/25 – 8/7		S	+
some blotched plants					
6124	4078A20	8/11	– +	S	246
	disc	7/24 – 8/5		S	

4)26 7- 16

		1st Hd	H.O.	C.O.	WT	Lf. Br.
Early Susceptible — (1x2")						
Plant # 97	4087A2	8/7	—	S	6125	++
		8/11-		seg		
10	4090A2	8/3	R	S	6126	++
	disc	8/6-8/16		S		
late Resistant — (1x2") 1x2						
3	4061A3	8/25	R	T	6127	+
		9/30 S-		seq		
4	4062A1	9/15	R	T-R	6128	+
		9/7-		seq	1	
7	4062A4	9/15	R	T-R	6129	o-+
		8/30-S		seq	1	
8	4062A5 exceptionally good late plant	9/18	S	T-R	6130	o-+
		8/4-S-		seq	1	
9	4062A6	9/4	S	T-R	6131	o-+
		8/3 S-		seq		
10	4062A7	9/6	R	T-R	6132	o-+
		8/30-9/10		R		

1" = [(S x EP) x (CA x Cdy)] x (F x BR)

2" = [(P x R) x (Cdy x BR)] x (F x BR)

		1st Hd. (1"x2")	H.O.	C.O.	WT	
Plate Resistant —						
6133	4062A8	9/1	S	T-R	11	
		8/28-S		seq	tr	0
6134	4062A9	9/28	R	R	12	
		8/31-S		R		0
6135	4062A10	9/10	R	T-R	13	
		8/28-S		seq	tr	0
6136	4062A12	9/7	S	T-R	15	
		9/4-S		seq	tr	0
6137	4062A13	9/5	R	T-R	16	
		8/30		R	tr	
6138	4062A16	9/3	S	T-R	19	
		8/3-S		seq		
6139	4062A17	9/8	R	T-R	20	
		8/8		seq		
6140	4062A18	8/31	R	T-R	21	
		8/4-S		seq		

Late Resistant - (1"x2")

		1st H2	H.O.	C.O.	WT	Lf. Br.
22	4062A19	9/14	S	T-R	6141	o-+
		8/31-		R		
23	4062A20	9/12	S	T-R	6142	o-+
		9/1-	R	R		
24	4062A21	9/12	R	T-R	6143	o-+
		8/6-S	R	seg		
83	4067A11	9/7	R	T-R	6144	o-+
		8/13-S	R	seg	+	
97	4067A26	9/12	R	R	6145	o
		8/8-S	R	seg.		(IPL V.L.)
110	4068A5	9/3	S	T-R	6146	o-+
		8/1-S	R	seg		
113	4068A8	9/26	R	R	6147	o-+
		8/1-S	R	seg		
115	4068A10	8/30	M	R	6148	+
	dise	8/19-S	+	S		

Late Resistant –

		1st Hd.	H.O. (1"x2")	C.O.	WT	L. B.
6149	4068A14	9/10	M	R	119	
		8/12-S		seq		o-t
6150	4068A16	8/28	M	R	121	
	disc	8/8-S		S	th	o-t
6151	4068A20	9/5	S	R	125	
		8/2-S	+	seq		c fw
6152	4068A23	9/1	S	T-R	128	
	disc	8/7-S		S	th	c fw
6153	4068A25	9/11	R	R	130	
		8/14-S		seq	th	o-t
6154	4073A4	9/7	R	R	180	
	disc	8/31-S		S	2	o fw
6155	4073A5	9/10	R	R	181	
	freak on narrow end	8/14-S		seq mov to R		c fw
6156	4073A7	9/3	R	R	183	
		8/20		seq		o-

Late Resistant - (1"x2")

Plant #		1st Hd.	H.O.	C.O.	WT	Lf Bl.
95	4073A9	8/28	R	R	6157	
		8/15-8/30		seg	tr	0-++
87	4073A11	9/9	R	R	sterile 6158	
		8/26-		seg	tr	0 tro +
90	4074A1	9/7	M	R	sterile 6159	
		7/21-S-		seg		0
93	4074A4	9/15	R	R	6160	
		8/2-S		seg	tr	0 fun tr
00	4075A1 Very	9/21 clean plant	R	R	6161	
		8/8-S		seg.		0 blotch plant
02	4075A3 maybe a disc	9/21 tricomic	M	R	6162	
		9/1-	++			blotch
04	4075A5	9/21	R	R	6163	
		8/28-		seg		0 vir tr
206	4076A1	9/20	R	R	6164	
				seg		0+

1" = [(S x EP) x (CA x Cdy)] x (F x BR)

2" = [(D x R) x (Cdy x BR)] x (F x BR)

		1st Hd	H.O.	C.O.	WT.	L B
Late Resistant – (1" x 2")						
6165	4076A2	9/11	M	R	207	
		9/25-				0-
	dine			S		
6166	4076A3	9/14	R	R (V. small plain	208	
		8/29-				
				seq		
6167	4076A4	9/19	R	R	209	
		9/8-S-				
				seq		
6168	4076A5	9/28	R	R	210	
				R		
6169	4076A6	9/19	M	R	211	
				Seq		0-
6170	4077A12	9/18	M	R	223	
	dine	9/16-S-		S		0-
6171	4077A14	9/2	R	R	225	
		8/11-S-		seq		0-
6172	4078A13	9/15	R	R	239	
		9/4-S-		seq		

ate	Resistant —	1st Hd (1"x2")	H.O.	C.O.	wT	Lf. Br.
-85	4086A1	8/14	S	T-L	6173	
		8/4-8/6		E Seg tr	E	++
-87	4086A3	8/19	S	R	6174	
		8/6		E-Seg	I E	o
-91	4086A7	8/26	S	R	6175	
	disc	8/9		S		o+
-93	4086A9	8/14	—	R	6176	
	disc	8/5-		S,		+
-94	4086A10	8/13	—	R	6177	
		8/8-		E-Seg	E	o+
-96	4087A1	8/18	S	R	6178	
		8/14-		Seg	E	o+
298	4087A3	8/20	—	—	6179	
		8/4-		E-Seg tr	E	o+
299	4087A4	8/15	—	—	6180	
		7/31-		Seg tr	E	+

		1st Hd	H.O.	C.O.	WT	L B
Late Resistant — (1"x2")						
	4087A5	8/18	—	—	300	
6181						
		8/4-8/16		S	1	0
	E			Seg		
Late Susceptible — (1"x2")					5	
6182	4062A2	8/31	R	M		
					tr	c
	disc	8/8-S		A		
	4062A15	8/14	M	M	18	
6183						
		7/27-8/7		seg	tr	
	E					
	4067A1	9/6	R	M	75	
6184						
		8/7-S				oth
	disc			A		
	4067A2	9/10	R	S	76	
6185						
		8/30-			2	ot
	disc			S		
	4067A4	9/3	R	S	77	
6186						
		8/9-S				ot
	disc			S		
	4067A6	9/5	M	S	78	
6187						
	disc	8/20-S-		A	1	c
	4067A7	8/28	R	S	79	
6188						
		8/7-S		-seg	tr	o-

Date & #	"Susceptible-(1x2")	1st Hd	H.O.	C.O.	WT	Lf. Br.
80	4067A8	9/18	R	M		
	disc	9/3-	1	S	6189 1	0+
81	4067A9	8/26	M	S		
	disc	8/5-	+	S	6190 1	0+
82	4067A10	9/16	R	S		
	disc	9/1-		S	6191 1	0tr
84	4067A12	8/28	R	S		
	disc	7/27-S-		S	6192 1	0+
85	4067A13	9/2	R	S		
	disc	8/6-		S	6193	0+
86	4067A14	9/1	M	S		
	disc	7/31-		S	6194 1	0+
87	4067A15	9/3	M	S		
		8/8-		S	6195	0 fwtr
88	4067A17	8/30	M	S		
		8/7-		seg	6196 2	0tr

1" = [(S x EP) x (CA x Cdy)] x (F x BR

2" = [(D x R) x (cdy x BR)] x F x BR.

Late Susceptible — (1" x 2")

		1st Hd	H.O.	C.O.	WT	Lg Br
6197	4067A18	9/2	M	S	89	+
		8/17-		seg	3	ot
6198	4067A19	9/6	R	S	90	
	disc	9/4 S		S		0
6199	4067A20	9/15	R	M	91	
	disc	9/2-		A	1	0
6200	4067A21	9/6	R	S	92	
	disc	8/8-		S		0
6201	4067A22	9/4	M	S	93	
	disc	8/9-	+	S		0
6202	4067A23	9/5	M	S	94	
	disc	9/20-	E	S	1	0 lt
6203	4067A24	8/29	R +	S	95	
	disc	8/6-	E	S	1	ot
6204	4067A25	9/1	R	S	96	
	disc	8/19-	+	E-S	2	0

...ate Susceptible - (1"x2")

Print #		1st Hd	H.O.	G.O.	WT	Lf Br.
8	4067A27	8/24	R	S		
			+		6205	
		8/2-		Seg	1	0
	4067A28	9/13	M	M		
9					6206	
	disc	9/4-		S	1	0
						3+
	4067A29	9/5	R	S		
0			+		6207	
		8/23-		Seg	2	0
	4067A30	9/2	R	S		
01					6208	
		8/12-	+	Seg		0
	4067A31	9/8	M	S		
02					6209	
		8/10-	+	seg.		0 tr
	4067A32	9/9	M	S		
03					6210	
		8/31-	+	seg	1	0
	4067A33	8/27	M	S		
04					6211	
	disc	8/6-	+	S		0
	4067A?	Nu 10/2/41				
05					6212	
		9/9-	+			0-
				seg		few +

Late Susceptible - (1"x2")

		1st Hd	H.O.	C.O.	WT	Lf BK
6213	4068A1	9/5	M	M	106	
		8/9-		seg	1	0 few +
6214	4068A2	9/4	M	S	107	
		8/24-		Seg	tr	0
6215	4068A3	8/31	S	M	108	
		8/14-		Seg	1	0
6216	4068A4 dise	8/24	M	M	109	
		7/21-S-		S	tr	0
6217	4068A6 dise	9/2	S	S	111	
		8/9		E=S	1	0
6218	4068A7 dise	8/29	M	S	112	
		8/16-		S	1	0
6219	4068A9	8/25	M	S	114	
		8/6		Seg	1	0
6220	4068A11 dise	8/23	S	S	116	
		7/26-S-		E=S	tr	0

ate Susceptible – (1"x2")

Plant #		1st Hd	H.O.	C.O.	WT	Lf. Br.
17	4068A12	8/22	S	S	6221	
		7/30-		reg	th	o-th
18	4068A13	8/16	S	M	6222	
	desic	8/3-		S	th	o
20	4068A15	8/22	S	S	6223	
		7/24-S-		Seg	1	o+
22	4068A17	8/17	S	S?	6224	
		7/24-S		Seg	1	o
23	4068A18	9/5	M	S	6225	o
	desic	8/9-	E	Seg	1	o
24	4068A19	8/20	M	S	6226	
	desic	7/26-	E+	Seg	1	o+
26	4068A21	8/27	M	S	6227	
	desic	8/14-	E-	Seg	2	o
27	4068A22	9/14	S	M	6228	
		9/4	+	seg	1	o

1" = [(S x EP) x (CA x Cdy)] x (F x BR)

2" = [(D x R) x (Cdy x BR)] x (F x BR)

Late	Susceptible — (1" x 2")	1st Hd	H.O.	C.O.	WT	H Br
6228	4068A24	9/5	S	S	129	+
	disc	8/20-		S		ot
6230	4072A1	8/25	S	S	168	
	disc	8/15-	+	S		ov
6231	4072A2	9/3	S	S	169	
	disc	8/19	+	S	2	o
6232	4072A4	8/22	—	S	171	
	disc	8/1-	+	S	th	o
6233	4072A7	9/11	S	S	174	
		8/19-	++	seg	th	o
6234	4072A8	8/20	S	S	175	
	disc	8/5-8/16	+	S		o
6235	4073A1	8/19	S	M	177	
		8/6-8/17	r	seg		o
	rather narrow leaves.					
6236	407342	8/22	S	S	178	
	disc	8/6-	+	S	th	th

Late Susceptible – (1"x2")

		1st Hd	H.O.	C.O.	WT	Lf. Br.
9 Tu + 79	4073A3	8/25	S	S		
	dise	8/6-	+	S	6237 tr	o
72	4073A6	8/29	R	M-high lysterule		
		8/18-S	++	seg	6238 tr	o
74	4073A8	9/1	M	S		
		8/24-	++	seg	6239 Notch	o
76	4073A10	9/9	R	S		
		8/25-	++	seg	6240 tr	o
78	4073A12	8/27	S	S		
	dise	8/6	++	E=S	6241 tr	o
79	4073A13	8/28	S	S		
	dise			S	6242 tr	o
95	4074A6	8/25	M	S		
	dise	7/31-	++	S	6243 Notch	o
96	4074A7	9/3	R	S	high lysterule	
		8/7-	+	seg	6244 tr	o

hate	Susceptible + (1"x2")	1st Hd	H.O.	C.O.	WT	L Br
	4074A8	8/31	R	S	Sterile	
6245					197	
		8/6-	.	E-Seg	tr 0	
					Blotch	
	4074A9	9/2	R	S	Sterile	
6246					198	
	dise	8/6-	+	S	⊙	
					fert	
	4074A10	9/8	R	M-hyphyster	199	
6247						
		8/26-	+	seg	tr 0	
	4075A2	9/18	R	M	201	
6248						
			+	seg	tr 0	
	4075A4	9/5	M	S	203	
6249						
		8/5-	E=S	seg	tr 0+	
	4075A6	9/22	R	M	205	
6250						
				seg	0	
	dd now, narrow leaves.					
	4077A2	9/17	R	M	213	
6251						
		8/31-	some	seg		
	4077A4	9/6	M	S	215	
6252						
	dise	9/8-	.	E: S	1 0	

Susceptible – (1"x2")

Late Plant #	~~1st Hd~~	~~H.O.~~	1st Hd	H.O.	C.O.	WT	Lf. Br.
216	4077A5		9/8 9/4-	R	M ε=S =Seg	6253	+
217	4077A6		9/3 8/9-	S	M ε=Seg	6254	o+
218	4077A7		8/29 8/7	R	M R Seg	6255	1 o+
219	4077A8 V. good now on 7/31		8/9 7/31-9/8	S R	M Seg	6256	tr o E
220	4077A9		9/6 8/10-	R R	M Seg	6257	o+
221	4077A10		9/5 8/8-	M	M Seg	6258	tr o
222	4077A11 dise		9/2 8/11	M	S ε=S	6259	tr o
224	4077A13		9/10 8/7-	S	M Seg	6260	o+

1" = [(S x EP) x (CA x Cdy)] x (F x BR)

2" = [(D x R) x (Cdy x BR)] x (F x BR)

Date	Susceptible - (1" x 2")	1st Hd	H.O.	C.O.	WT	LS BI
	4078A1	9/11	R	M	227	
6261		8/31		Reg	0	
	4078A3	9/5	S	S	229	
6262		8/8-		S=S Reg	1-0 fast	
	4078A4	8/18	S	S	230	
6263 E		8/5-8/16		Reg	0	
	4078A5	9/5	S	S	231	
6264		8/30-		Reg	0	
	4078A6	8/26	S	S	232	
6265	dise	8/5-		S=S	0 1 Hitch	
	4078A7	9/4	M	S	233	
6266	dise	8/28-	+	S	fr Hitch	
	4078A8	8/28	R	S	234	
6267		7/31-		S=Reg	Th 0 1 fr Hitch	
	4078A9	9/1	R	S	235	
6268		7/27-		S=Reg	Th Hitch	

Late Susceptible — (1"x2")		1st Hd	H.O.	C.O.	WT	Lf. Br.
Cont # 4078A10		9/6	M	S		
236		8/6-		S=S seq	6269	1 0 few th
4078A11		9/18	M	S		
237		9/3		seq	6270	tr 0 th blotch
4078A12		9/5	S	S		
238 (Fi plant was bad for ptg's drawning, leaves twisted and grain slightly dwarfed.)					6271	
Discard all but one plant		8/28-	like parent plant			all H on blotch
4078A14		8/18	R	S		
240		8/1-8/15		seq	6272	0 E few th
4078A16		9/11	R	M		
242		8/31-		seq	6273	tr 0 blotch
4078A17		9/6	M	M		
243		8/8	+	S=S seq	6274	0 blotch
4078A18		8/20	S	S		
244		8/1-		seq	6275	0 E 1st th
4078A19		9/6	S	S		
245		8/28-		Seq	6276	1 0 th

1" = [(S x EP) x (CA x Cdy)] x (F x BR)

2" = [(D x R) x (Cdy x BR)] x (F x BR)

Late	Susceptible — (1" x 2")	1st Hd	H.O.	C.O.	WT	Lf Br
	4078A21	8/26	—	S	247	
6277		9/5-S		E=S S	1 0	
	dies				last blotch	
	4078A22	9/8	M	M	248	
6278		9/1			th	
				seg		
light green bands						
	4078A23	9/6	S	S	249	
6279		8/30-		seg		
	4086A8	8/17	—	S	292	
6280		8/9-		all but 1 plant	0	
E						
light green bands.						
		9/2	R	S	309	
6281	4090A1	8/5-		E=S seg	1	DT
6281	A4090A3	9/2	—	E=S	311	
		8/8-		seg		
	Early Resistant —			(1" x 3")	27	
6282	4063A3	7/20	R	T-R		
					th 0	
E	from here to 6325 except discard	7/20-S 8/8		seg		
	4063A15	7/22	S	R	39	
6283		7/19-S 8/9				
				seg		
	4063A21	8/12	M	R	45	
6284		7/17-S 8/1		R		
					D fu	

3" = [(D x R) x (Cdy x BR)] x [(CA x BR) x (CA x Cdy)] 26

Early Resistant - (1" x 3")

Foot # ↓		1st Hd	H.O.	C.O.	WT	Lf. Br.
48	4063A24	8/1 7/30 - 8/15	R	R seq	6285	0
49	4064A1	8/7 7/28 - 8/16	R	R seq	6286	0
50	4064A2	8/10 8/1 -	M	R seq	6287	0
51	4064A3	8/5 8/1 -	M	R seq	6288	0
52	4064A4	8/5 7/30	M	R seq	6289	0
58	4065A2	8/15 7/27 -	S	R seq	6290	0
61	4065A5	7/21 7/20 - 7/30	M	R seq	6291	0
62	4065A6	7/25 7/20 - 7/30	M	R seq	6292	0

1" = [(S x EP) x (CA x Cdy)] x (F x BR)

3" = [(D x R) x (Cdy x BR)] x [(CA x BR) x (CA x Cdy)]

Early Resistant – (1 x 3)

		1st Hd	H.O.	C.O.	WT	Lf. Br.
6293	4065A8	8/9	—	R	64	E
		7/30-		seg	th	ot
6294	4065A9 (good plant)	8/7	M	R	65	
		7/29-8/17		seg	1	o
6295	4065A10	8/1	S	R	66	
		7/21-8/6		seg	th	
6296	4065A14 (very good plant)	8/10		R	70	
		7/25-S-		seg	1	o
6297	4065A15	7/20	—	R	71	
		7/21-8/12		seg		c
6298	4066A1 (good plant, not E resistant)	8/		T-R	7	
		7/28-8/15		seg		
6299	4066A2	7/30	S	T-R	73	
		7/28-8/14		seg		
6300	4069A5 (good plant)	8/13	S	R	135	
		7/21-S-				o
				seg		

Plant #		1st Hd	H.O.	C.O.	Wt	Lf. Bl.
Early Resistant - (1"x3")						
270	4083A2	8/8 7/28-8/13	—	R seg	6301	tr+
272	4083A4	8/6 7/30-8/18	—	T seg	6302	tr+
280	4083A12	8/1 7/24-8/7	—	R seg	6303	otr
Early Susceptible - (1x3")						
29	4063A5	7/25 7/20-8/15	S	S seg	6304	o+
30	4063A6	7/28 7/19-8/15	S	S seg	6305	o
31	4063A7	7/31 7/27-8/15	R	M seg	6306	tr o
32	4063A8 dise	7/19 7/17-7/28	S	S S	6307	o
33	4063A9 dise	7/31 7/20-7/28	M	M S	6308	o tr

Early Susceptible – (1"x3")

		1st Hd	H.O.	C.O.	WT	LF Br.
6309	4063A13	8/11 7/12 S	S	S seg	37	
6310	4063A14	7/26 7/22 – 8/10	S	M seg	38	
6311	4063A22	8/1 7/16 – S 8/10	S	S seg	46	
6312	4063A23	7/30 7/21 – 8/12	S	S seg	47	
6313	4065A1	8/11 8/1 –	S	S seg	56	
6314	4065A3	7/31 7/19 – 7/30	M	S seg	59	
6315	4065A7	7/23 7/22 – 8/9	S	S seg	63	
6316	4066A3	8/10 8/1	–	S seg	74	

Early Susceptible – (1"x3")

			1st Hd	H.O.	C.O.	WT	Lf. Br.
131	4069A1		7/20	—	S	6317	0
	desc		7/21-8/2		S		
132	4069A2		7/22	—	S	6318	0
			7/28-8/8		seg		
133	4069A3		8/4	—	S	6319	0 few
			7/20-8/16		seg		
134	4069A4		8/9	—	S	6320	0
			7/17-S-		seg		
138	4069A8	(good plant)	7/25	S	S.	6321	0
			7/20-8/1		few seg	E	
271	4083A3		7/30	—	S	6322	0
			7/15-8/28		seg	E	
275	4083A7	(highly 8/2 striate)			—	6323	
			7/25-S-8/8		seg	E	0 + blotch
277	4083A9		8/2	—	—	6324	
			7/28-	8/8	seg	E	0

1" = [(S x EP) x (CA x Cdy)] x (F x BR)

3" = [(D x R) x (Cdy x BR)] x [(CA x BR) x (CA x Cdy)]

		1st Hd	H.O.	C.O.	WT	LS Br.
Early Susceptible - (1"x3")						
6325 E	4083A11	7/31 7/20-7/31	S	S seg	279	←
Late Resistant - (1"x3")					25	
6326	4063A1	8/22 7/28-S	S+ +	T-R seg		
6327	4063A2	8/22 7/26-S	S+ +	T-R seg	26	
6328	4063A4 Hv separated very late	9/21 7/31-S	M +	T-R R	28	
6329	4063A10	8/21 7/31-S	R	T-R seg	34	
6330	4063A19	9/1 7/25-S	S	T-R seg	43	
6331	4064A5	8/14 7/30-S	M	T-R seg	53	
6332	4064A6	8/15 7/31-	M	R seg	54	

ate	Resistant — (1x3)	1st Hd	H.O.	C.O.	WT	Lf. Br.
ent # ↓ 55	4064A7	8/20	M	R	6333	
		7/31-		seg		o lt
67	4065A11	8/25	S	T-R	6334	
		7/25-S		seg		o
68	4065A12	8/16	S	T-R	6335	
		7/14-S-		seg		o
69	4065A13	8/27	M	R	6336	
		7/24		seg	lt	o
137	4069A7	8/17	S	T	6337	
		7/24-	++	seg	E	o
262	4082A1	8/23	M	T	6338	
		7/31-		seg		o
263	4082A2	8/24	R	T	6339	
		7/31-		seg		o
264	4082A3	8/23	M	T	6340	
	dwc	7/31-		S		o

Late Resistant — (1"x3")

		1st Hd	H.O.	C.O.	WT	LF Br.
6341 E	4082A4	8/21	R	R	265	
		7/25-		Seg		of
6342	4082A5	8/20	R	T	266	
	Dave	7/25-		S	tr	of
6343 E	4082A7	8/24	S	T	268	
		7/26-		Seg		o
6344	4083A1	8/17	—	R	269	
		7/28-		Seg		-
6345	4083A5	8/21	—	R	273	
		7/30-		R		o
6346	4083A6	8/15	—	R	274	
		7/28-		R		o
6347	4084A1	8/25	S	T	281	
	Jan			S	tr	o
6348	4084A2	8/27	S	T	282	
				Seg		o

Late Resistant – (1" x 3")

Plant #		1st Hd	H.O.	C.O.	WT	Lf. Bt.
283	4085A1	8/19	M	R	6349	
		8/4 – 9/15	n	seg	E	o+
284	4085A2	8/21	S	R	6350	
		7/30-S-	somen.	seg	E	o

Late Susceptible – (1" x 3")

285	4063A11	8/25	M	M	6351	
		7/28-S		seg		o
286	4063A12	9/1	S	M	6352	
		7/28-		seg	tr2	o
340	4063A16	8/22	M	M	6353	
		7/28-		seg		o few+
341	4063A17	8/23	S	M	6354	
		7/30-		seg	tr	o
342	4063A18	8/20	S	M	6355	
		7/30-		seg	tr	o few tr
344	4063A20	8/22	S	M	6356	
		7/23-		seg		o tr

1" = [(S x EP) x (CA x Cdy)] x (F x BR)

2" = [(D x R) x (Cdy x BR) x (F x BR)

3" = [(D x R) x (Cdy x BR)] x [(CA x BR) x (CA x Cdy)]

Late Susceptible — (1 x 3)

		1st Hd	H.O.	C.O.	WT	Lt Bl
6357	4065A4	8/22	S	M	60	F
		7/30-		seg		O it
6358 E	4069A6	8/22	R	S	136	
		7/25-		seg		
6359	4071A1	9/6	M	M	159	
			+		tr	C
				seg		
6360	4071A2	9/3	S	S	160	
				seg	tr	O
6361	4071A3	8/28	M	S	161	
			+	seg		C
6362	4071A4	8/30	S	M	162	
				seg	tr	O
6363	4071A5	8/26	S	S	163	
			+	seg	tr	C
6364	4071A6	8/30	S	M	164	
				seg	tr	O

Late Susceptible — (1"x3")

Cont# X		1st Hd	H.O.	C.O.	WT	Lf. Br.
65	4071A7	8/30	S	M seq	6365	tr ot
66	4071A8	9/2	S	S seq	6366	tr ot
67	4071A9	8/30	S ++	S seq	6367	o
67	4082A6 dise	8/23 7/29-S-	R	M S	6368	o
76	4083A8	8/23 7/31-S	—	S seq	6369	tr ot blotch +
78	4083A10	8/18 7/26-S	S	S seq	6370	tr blotch o

Early Susceptible — (2"x3")

50	4079A1 dise	8/5 7/27-8/8	M	M S	6371	ot

Late Resistant — (2"x3")

61	4081A9	7/10	S ++	R seq	6372	tr o lt

Late Resistant - (2"x3")

		1st Hd	H.O.	C.O.	WT	Lf. Br.
6373	4088A1	8/26	S	R	302	
		8/5-S		seg	- +	
6374	4088A2	8/26	M	R	303	
		7/25-S		seg	o	
6375	4088A4	8/25	S	R	305	
		7/28-S	++	seg	o	
6376	4088A5	8/22	R	R	306	
		7/28-S-	++	seg	o+	
6377	4088A6	8/27	R	T	307	
		8/1-S		seg	tr+	
6378	4088A7	8/27	S	T	308	
E		7/28-S-	++	seg	tr o	

Late Susceptible — (2"x3")

6379	4079A2	9/6	M	M	251	
		7/29-S-		seg	o+	
6380	4080A1	8/26	M	S	252	
		8/1-S-		seg	tr ++	

Late Susceptible – (2"x3")

Plant #		1st Hd	H.O.	C.O.	WT	Lf. Br.
53	4081A1	9/2	S +r	S seg	6381	th O
54	4081A2 dec	9/4 8/1-S-	M ++	S S	6382	O
55	4081A3 dec	8/29 8/2-	M	S S	6383	O+
56	4081A4	8/25 8/1-S-	M ++	S seg	6384	O th
57	4081A5	9/2	R +T	S seg	6385	th O+
58	4081A6	8/31 7/31-S-	S ++	S seg	6386	O
59	4081A7	9/5	S ++	S seg	6387	th O
60	4081A8	8/31	S	S seg	6388	O

2" = [(D x R) x (Cdy x BR)] x (F x BR)

3" = [(D x R) x (Cdy x BR) x [(CA x BR) x (CA x Cdy)]

		1st Hd	H.O.	C.O.	WT	Lf Br
Late Susceptible — (2"x3")						
6389	4088A3	8/29	S	S	304	←
		7/31		seg	th	+
Late Resistant — (2"x2")						
6390	4092A1	8/18	S	—	313	
		8/10		seg	th	+
6391	4092A2	9/12	S	R	314	
			+		1	0
				seg		
6392	4092A3	9/11	S	R	315	
		8/13-		seg		th+
6393	4092A4	9/8	S	R	316	
		8/8 S-		seg	1	0th
	smeared + smell about pl on 7/14					
6394	4092A5	9/7	S	R	317	
		8/12-		seg	th	0
6395	4092A6	9/12	S	R	318	
				R,	th	0
6396	4092A9	9/7	S	R	321	
		8/14-		seg	th-	0+

late Resistant — (2"x2")

		1st Hd	H.O.	E.O.	WT	Lf. Br.
Nat #	4092A10	9/6	S	R	6397	
322				seg	2	ot
	4092A11	8/12	—	R	6398	
323		8/8-		seg	E	o
	4092A12	9/18	—	R	6399	
324		8/13-		seg	E	ot
	4092A13	9/21	S	R	6400	
325				R		o+
	4092A14	9/8	S	R	6401	
326				seg	1	+
	4092A15	9/8	S	R	6402	
327		8/6-		seg	1	+

late Susceptible — (2"x2")

319	4092A7	8/18	—	S	6403	
	dies	8/11-		S		o
	4092A8	8/10	—	M	6404	
320		8/2-8/14		seg	E	o+

1" = [(S x EP) x (CA x cdy)] x (F x BR)

2" = [(D x R) x (cdy x BR)] x (F x BR)

Late	Susceptible – (2" x 2")		1st Hd	H.O.	C.O.	WT / LP Br.
6405 E	4092A16		8/18 8/1-	—	S seg	328 ← tr+
Late	Resistant – (1" x 1")					
6406	4070A2		9/8	S	R seg	140 tr O
6407	4070A3		9/7	M	R seg	141 O+
6408	4070A4		9/4 8½-S-	R	R seg	142 O
6409	4070A6		9/10	S	R R	144 tr ot
6410	4070A9		9/8	M	R R	147 tr o+
6411	4070A11		9/7	S	T-R R	149 1 O
6412	4070A15		9/12	S	T seg	153 1 OT

ate Resistant — (1"x1")

Plot #		1st Hd	H.O.	C.O.	WT	Lf. Br.
54	4070A16	9/3 8/5	M	T-R seg	6413	0 trot
56	4070A18	9/8	S	T-R seg	6414	0+ mostly 0
57	4070A19	9/14	R	R R	6415	1 0

Late Susceptible - (1"x1")

39	4070A1	9/3	S	S seg	6416	1 0 few +
43	4070A5	9/7	S	S seg	6417	0 few th
45	4070A7	9/6	S	M seg	6418	th th
46	4070A8	9/8 8/6-5-	M	M seg	6419	th 0
48	4070A10	8/31 8/1-5	S	S seg	6420	D few +

Late Susceptible — (1'x1')

		1st Hd	H.O.	C.O.	WT	LF Br.
6421	4070A12	8/31	S	M	150	
		9/5-		seg	th	0
6422	4070A13	9/8	S	M	151	
				seg	few	0
6423	4070A14	9/3	S	S (V. poor plant)		
				seg	th	ot
6424	4070A17	9/11	M	M	155	
				seg		ok
6425	4070A20	9/3	S	S	158	
		9/10		seg		0
6426	mixture grove 6286 and 6287					
E		9/28-9/13		seg		0
6427	Unknown listed as 4062A17 maybe 4062A18					
		9/4-9/7		seg	th	few 0
6428	"	"				

Caloro Panicles Treated with

	No minutes Cold	Hot	Temperatures Cold	Hot	Florets Fertile	Sterile
411H-1 (19-20 hrs. after Fert.)	10 -	10	0-4	38	27	3
411H-2					28	5
					56	8
412H-1 (19-20 hrs. after Fert.)	20 -	20	0-4	38	18	4
412H-2					27	15
412H-3					26	3
					71	22
413H-1 (19-21 hrs. after Fert.)	40 -	40	0-4	38	24	4
413H-2 2 thin nodes					28	1
413H-3 2 thin nodes					34	12
					86	17

Hot and Cold Water in 1941.

111 18

6

54

11

8

11

73

13

15

pl 11 one with Tiller (pers?
Hn 10/13/42
413A 2-11

20

03

Calo-o Variety, Continued;

Treat. No	No. Min. Treat. Cold - Hot	Temperatures Cold	Hot	No. Florets Fertile	Sterile
414HH	- 80	-	38	28	4
	(20-22 hrs. After Fert.)				
	1 thin seed				
414H-2				41	8
414H-3				30	3
				99	15
415H-1	160 -		38	30	3
	(20-23 hrs. After Fert.)				
	2 thin seeds				
415H-2				30	4
	4 thin seeds				
415H-3				25	1
415H-4				30	1
	3 thin seeds			115	9
416H-1	10 - 10	0 - 4	40	12	10
	(19-20 hrs. After Fert.)				
	Continued;				

	10					
	24					
	21					
114						
	14					
	17					
	9					
	16					
24						
	5					

415H4-2

2 PL sathi Teller ' manjhi Lovers

1 PL Steric. (415H4-1) → (2)

Both Mr 10/13/42

Caloro Variety, Continued:

Treat No	No. Min. Treated Cold - Hot	Temperature Cold	Temperature Hot	No. Florets Fertile	No. Florets Steril.
416H-2	10 - 10	0-4	40	19	3
2 thin seeds				31	13
417H-1 (19-20 hrs. After Fert.)	20 - 20	0-4	40	12	1
417H-2				50	5
1 thin seed					
417H-3				23	4
1 thin seed				85	10
418H-3 (19-21 hrs. After Fert.)	40 - 40	0-4	40	33	3
2 thin seeds -2,				34	5
2 thin seeds -3,				36	4
4 thin seeds				103	12

otal						
	3					
44						
	3					
	34					
	9					
95	46					
	19					
	12					
	12					
15						
	43					

Caloro Variety, continued:

Treat. No	No. Min. Treated Cold - Hot	Temperature Cold	Temperature Hot	No. Florets Fertile	No. Florets Sterile
419H-1 (20-22 hrs. After Fert.)	- 80	-	40	22	3
1 thin seed					
419H-2				36	3
2 thin seeds					
419H-3				25	3
419H-4				12	5
1 hulled				103	12
4110H-1 (20-23 hrs. After Fert.)	- 160	-	40	29	8
4110H-2				48	9
4110H-3				30	20
				107	37
4111H-1 (19-20 hrs. After Fert.)	10-10	0-4	42	45	8

Continued:

	No Plants					
	11					
	3					
	12	1 Petra - 1st pl. week. Hv sued 10/13/42			419 H 3-1	(4)
	5					
15	31					
	15					
	24					
	8					
44	47					
	15					

Caloro Variety, continued:

Treat No	No. Min. Treated Cold-Hot	Temperature Cold	Temperature Hot	No. Florets Fertile	No. Florets Sterile
4111H-2	10-10	0-4	42	32	9
	1 thin seed				
4111H-3				40	9
	1 thin seed			117	26
4112H-1 (19-20 hrs. After Fert.)	20-20	0-4	42	26	7
4112H-2				25	13
				51	20
4113H-1 (19-21 hrs. After Fert.)	40-40	0-4	42	32	12
4113H-2				25	8
4113H-3				31	6
	1 thin seed				
4113H-4				13	8
	1 thin seed			101	34

○ circled numbers refer to no on cracks in greenhouse

Total	No Plants
	10
	22
	Dianthus non-hort. 4111H-3-J (1)
143	47
	7
	0
71	7
	10
	9
	9
	1
35	29

Caloro Variety, Continued:

Treat. No	No Min. Treated Cold - Hot	Temperatures, C. Cold	Hot	No. Florets Fertile	Steril
4114H-1	0 - 80	—	42	17	29
	(20-22 hrs. After Fert.)				
4114H-2,				13	5
4114H-3,				27	11
	1 thimble			57	45
4115H	10 - 10	0-4	44	25	3
	(19-20 hrs. After Fert.)				
4115H-2				34	6
				59	9
4116H-1	20-20	0-4	44	13	6
	(19-20 hrs. After Fert.)				
4116H-2,				27	24
4116H-3,				13	31

Continued:

tal	No. Plants
	9
	1
	16
02	26
	5
	15
8	20
	4
	4
	2

Caloro Variety, cont.

Treat No.	No. Min. Treated Cold – Hot	Temperature Cold	Temperature Hot	No. Florets Fertile	No. Florets Sterile
4116H-4	20 – 20	0-4	44	8	21
	1 thin seed			61	82
4117H-1 (19-21 hrs. After Fert.)	40 – 40	0-4	44		
4117H-2					
4117H-3					
4117H-4					
4117H-5					
				14	189
4118H-1 (19-20 hrs. After Fert.)	20 – 0	0-4	—	34	9
4118H-2				32	3

started in greenhouse

Plants are ready for Transplanting Block

4 dried at transplant in block, two double embryo.

Continued:

otal	No. Plants
	0
1.3	10
	4
.03	
	22
	17

Coloro Variety, cont.

Treat. No.	No. Min. Treated Cold - Hot	No. Min. Treated Cold	No. Min. Treated Hot	No. Florets Fertile	No. Florets Steril
4118H-3	20 - 0	0-4	—	26	10
	1 thin seed				
4118H-4				28	5
4118H-5				42	1
				162	28
4119H1 (21-22 hrs. After Fert.)	40 - 0	0-4	—	8	10
4119H-2				27	13
	1 thin seed				
4119H-3				20	21
4119H-4				13	17
	1 thin seed			68	61
4120H-1 (21-22 hrs. After Fert.)	80 - 0	0-4	—	22	5
	1 thin seed				

Continued:

Total	No. Plants							
	14							
	7							
	13							
90								
	3							
	13	Cent pl Jetro - Kn 10/31/42 Highly fertile 41/9H-2-13 (3)						
	5							
	3							
29								
	3							

Caloro Variety Cont.

Treat No	No. Min. Treated Cold-Hot	Temperature Cold	Temperature Hot	No. Florets Fertile	No. Florets Sterile
4120H-2	80 - 0	0-4	—	20	15
4120H-3,				21	5
				63	25
4121H-1 (20-23 hrs. After Fert.)	160 - 0	0-4	—	21	14
4121H-2				37	19
4121H-3				22	19
4121H-4				47	23
				127	75
4122H-1, (20-25 hrs. After Fert.)	320-0	0-4	—	21	5
		1 thin seed			
4122H-2,				15	21
		2 thin seeds			

Continued:

otal	No. Plants
	8
	11
38	
	6
	13
	6
	21
02	
	4
	5

Calora Variety, Cont.

Treat No	No. Min. Treated cold - Hot	Temperature cold	Temperature Hot	No. Florets Fertile	No. Florets Sterile
4122H-3,	320 - 0	0-4	-	14	8
4122H-4,				19	22
		Continued		69	56
4123H-1,	80 - 0 (22-23 hrs. After Fert.)	0-4	-	17	15
4123H-2,				23	7
4123H-3,				16	12
4123H-4,				7	20
4123H-5,				3	7
		Does not check with F66			61
4124H-1,	160 - 0 (22-24 hrs. After Fert.)	0-4	-	12	27

Continued:

Total	No. Plants
	7
	10
25	26
	0
	3
	3
	0
	0
27	
	0

Caloro Variety, continued:

Treat. No.	No. Min. Treated Cold-Hot	Temperature Cold-	Hot	No. Florets Fertile	Ster.
4124H-2,	660-0	0-4	—	13	15
4124H-3,				17	18
4124H-4,				8	7
				50	67
4125H-1, (22-26 hrs. After Fert.)	320-0	0-4	—	21	27
4125H-2,				10	14
4125H-3,				11	23
4125H-4,				22	20
				64	84
~~4126H-1~~					

1 thin seed

1 thin seed

End of Caloro Hot and Cold Water Treated Panicles

——— tal	No. Plants.	Titro					
	1						
	4						
	1						
17							
	4	1	25%	1st pl in Titro 4/25 4-1-1		(5)	1/4 2/4 3/4
	0						
	2						
	2						
48							

Blue Rose Panicles Treated with

Treat No.	No. Min. Treated Cold - Hot	Temperature Cold	Temperature Hot	No. Florets Fertil.	No. Florets Ster.
4126H-1, (19-21 hrs. After Fert.)	10 - 10	0-4	38	24	20
4126H-2,				24	45
				48	65
4127H-1, (19-21 hrs. After Fert.)	20 - 20	0-4	38	35	25
	2 thin seeds				
4127H-2,				31	31
	2 thin seeds			66	56
4128H-1, (19-22 hrs. After Fert.)	40 - 40	0-4	38	12	15
	1 thin seed				
4129H-1, (20-22 hrs. After Fert.)	0 - 80	—	38	25	14
4129H-2,				40	26
				65	40
4130H-1, (20-23 hrs. After Fert.)	0 - 160	—	38	24	22

Continued:

lot and Cold Water in 1941.

Total	No. Plants
	10
	11
13	
	16
	5
22	
27	5
	13
	32
05	
	20

Blue Rose Variety, continued:

Treat. No.	No. Min. Treated Cold-Hot	Temperature Cold	Temperature Hot	No. Florets Fertile	No. Florets Ster.
4130H-2,	0 -160	—	38	25	35
	3 times seeds			49	57
4131H-1,	10 -10 (19-21 hrs. After Fert.)	0-4	40	44	49
	1 time seed				
4132H-1,	20-20 (19-21 hrs. After Fert.)	0-4	40	18	26
4132H-2,				6	36
				24	62
4133H-1,	40-40 (20-22 hrs. After Fert.)	0-4	40	37	31
4133H-2,				33	27
				70	58
4134H-1,	0-80 (20-23 hrs. After Fert.)	—	40	7	5
4134H-2,				32	7

Continued:

Total	No. Plants	No Tetra
	12	
106		
73	21	
	14	1 Tetra 4132H1-1 Hw 10/13/42 (6)
	3	
86		
	23	
	21	2 Tetra + 8 with prot seeding - 2nd + 4th plants → 2a highly fertile M th plant → 4133H2-17 (8) 4133H2-2 (7) 4133H2-19 (9) all 3 hw 10/17/42
28		
	1	
	23	

Blue Rose Variety, Continued:

Treat. No.	No. Min. Treated Cold-Hot	Temperature Cold	Temperature Hot	No. Florets Fertile	No. Florets Ster.
4134H-3,	0-80	—	40	29	12
				68	24
4135H-1, (20-23 hrs After Fert.)	0-160	—	40	8	23
				9 partially filled seeds failed to produce plants on	
4135H-2,				10	25
				1 thin seed.	
4135H-3,				14	18
				32	66
4136H-1, (19-21 hrs. After Fert.)	10-10	0-4	42	27	18
4136H-2,				20	18
				47	36
4137H-1,	20-20	0-4	42	28	5
4137H-2,				30	6
				2 thin seeds	

Continued;

Total	No. Plants
	22
92	
	4
9/25/41	
	2
	7
98	
	8
	11
23	
	16
	13

Blue Rose Variety, Continued:

Treat. No.	No. Min. Treated Cold - Hot	Temperature Cold	Hot	No. Florets Fertile	Ster.
4137H-3,	20 - 20	0-4	42	48	19
				106	30
4138H-1, (20-22 hrs. After Fert.)	40-40	0-4	42	32	15
4139H-1, (19-22 hrs. After Fert.)	0 - 80	—	42	23	8
		1 thin seed			
4139H-2,				8	5
4139H-3,				42	17
				73	30
4140H-1, (19-21 hrs. After Fert.)	10 - 10	0-4	44	29	22
		2 thin seeds.			
4140H-2,				19	8
4140H-3,				31	12

Continued:

Total.	No. Plants.
	28
36	
47	12
	8
	4
	26
03	
	12
	7
	16
	2

Blue Rose Variety; Continued:

Treat No	No. Min. Treated Cold-Hot	Temperature Cold	Temperature Hot	No. Florets Fertile	No. Florets Ster.
4140H-4,	10 - 10	0-4	44	21	3
				100	45
4141H-1, (19-21 hrs. After Fert.)	20-20	0-4	44	12	17
4141H-2,				24	20
4141H-3,				20	22
				56	59
4142H-1&2, (20-22 hrs. After Fert.)	40-40	0-4	44	1	76
4143H-1, (19-21 hrs. After Fert.)	20-0	0-4	—	31	2
4143H-2,				38	12
4143H-3,				12	20
				81	34

Sown in greenhouse no plant produced

1 thin seed

1 thin seed

tal	No. Plants.	Tetra					
	7						
45	40						
	7						
	15						
	7						
15	29						
77	0						
	21	1 pl.	(Tetra) quita	4143H1-18 highly fertile Hm 10/14/42			(10)
	16						
	9						
15							

Blue Rose Variety, continued:

Treat. No.	No. Min. Treated Cold-Hot	Temperature Cold	Temperature Hot	No. Florets Fertile	No. Florets Ster.
4144H-1, (19-20 hrs. After Fert.)	40 - 0	0-4	—	47	5
4144H-2,				46	16
4144H-3,				21	3
				114	24
4145H-1, (20-23 hrs. After Fert.)	80 - 0	0-4	—	30	19
4145H-2,				28	27
4145H-3,				25	18
				83	64
4146H-1, (19-23 hrs. After Fert.)	160 - 0	0-4	—	32	8
4146H-2,				40	8

Continued:

Total	No plants	Tetra					
	30						
	26	1	4144	42 - 21	(2n Tetraploid)		
			Hr 10/14/42		11		
	15						
138							
	15						
	19						
	16						
47							
	22						
	24						

Blue Rose Variety, Continued;

Treat. No	No. Min. Treated Cold-Hot	Temperature Cold	Temperature Hot	No. Florets Fertile	No. Florets Ster.
4146H-3,	160-0	0-4	—	23	10
4146H-4,				19	3
				114	29
4147H-1, (19-23 hrs After Fert.)	320-0	0-4	—	38	11
4147H-2,				42	15
4147H-3,				44	4
				124	30
4148H-1+2, (20-22 hrs After Fert.)	0-80	—	44	0	64
4149H-1+2, (19-23 hrs. After Fert.)	0-160	—	42	1	126
4150H-1, (19-21 hrs. After Fert.)	40-40	0-4	42	33	5

No seed set
not sown

failed to grow
Sown in greenhouse.

Continued:

Total	No. Plants	No Tetr					
	14						
	12						
43							
	25	1	20a Tetra (4147H-1-6				(12)
	23						
	30						
54							
4	10						
17	0						
	16						

Blue Rose Variety, (Continued)

Treat No.	No. Min. Treated Cold-Hot	Temperature Cold	Temperature Hot	No. Florets Fertile	No. Florets Ster.
4150H-2,	40-40 (19-21 hrs. After Fert.)	0-4	42	47	3
4150H-3,				19	10
				99	18
4151H-1,	270-0 (20-25 hrs. After Fert.)	0-4	—	43	15
4151H-2,				32	14
4151H-3,				33	8
4151H-4,				25	39
				133	77
4152H-1,	540-0 (20-30 hrs. After Fert.)	0-4	—	64	33
4152H-2,				33	8

Continued:

6/50/42

Tot	No Plants	No Tetra	(13)					
	20	11	4/50H	2-10	Has 3 short pennules plant also short, some tails tips brown larger than normal some with anno Port a Tetra - sector			
			4/50H	2-12	– 2 a Tetra		(14)	
	8							
17	44							
	30							
	18							
	22							
	10							
54								
	26							
	25							

Blue Rose Variety, (Continued)

Treat No	No. Min. Treated Cold-Hot	Temperature Cold	Temperature Hot	No. Florets Fert.	No. Florets Ster.
4152H-3,	540-0 (20-30 hrs. After Fert.)	0-4	—	37	12
4152H-4,	540-0	0-4	—	43	20
				177	73
4153H-1,	0-10 (20-21 hrs. After Fert.)	—	46	38	10
4153H-2,				33	7
				71	17
4154H-1,	0-20 (20-21 hrs. After Fert.)	—	46	14	44
4154H-2,	No Seeds Not Sown.			0	19
4154H-3	Sown in Green house (~~1~~ plants)			3	42
				See transplanting Block for 17	105

ot.	No Plants
	21
	21
50	
	16
	4
38	20
	5
	0
	1
nt.	
22	

Hot and Cold Water Treatments Applied While Still in Boot

Blue Rose Variety

Treat No.	No. hrs Treated	Temp. C.	No. Florets		
			Fert.	Ster.	Total
4161H-1,-	3	43-44°	29	216	
4161H-2,-			32	194	
4161H-3,-			23	43	
4161H-4,-			40	26	
4161H-5,-			27	21	
			151	125	276
4162H-1,-	1	40°	85	7	
4162H-2,-			30	25	
4162H-3,-			88	13	

Continued:

10 lents							
21							
25							
10							
31							
17							
7							
1							
49							

Blue Rose Variety, (continued)

Treat No	No. hrs. Treated	Temp. °C.	No. Florets Fert.	Ster.	Tot.
4162H-4,	1	40°	40	22	
			243	67	310
4163H-1,	2+	40°	25	4	
4163H-2,			83	9	
4163H-3,			123	13	
4163H-4,			108	0	
			339	26	365
4164H-1,	3+	40°	92	2	
4164H-2,			31	6	
4164H-3,			30	7	

lo. lants 22							
15							
47							
70							
64							
50							
7							
7							

Blue Rose Variety (continued)

Tree No	No. Hrs. Treated	Temp. °C.	No Florets Fert.	Ster.	Tot.
4164H-4,	3+	40°	95	2	
4164H-5,			29	0	
Ecorn Here on Rows Follow B Crosses					
4164H-6			44	5	
			321	22	343
4165H-1,	1	44°	27	3	
4165H-2,			68	2	
4165H-3,			55	0	
4165H-4,			38	3	
			188	8	196
4166HH,	2+	44°	61	1	

counted 6/30/42

No. plants	
53	
2	
29	7ND 1941 F2 Populations: See page 86 Book-II for F2's
12	on 6/30 — 22 seedlings emerged 17 normal green 5 chlorotic
26	on 6/30 — 56 seedlings emerged - 30 normal green 11 chlorotic
32	on 6/30 — all seedlings normal green
25	on 6/30 — all seedlings normal green
1	on 6/30 — 54 seedlings emerged - 37 normal green 17 chlorotic

Blue Rose Variety, (Continued)

Treat No.	No. Hrs. Treated	Temp °C.	No. Florets		
			Fert.	Ster.	Tot.
4166 H-2	2+	44°	50	3	
4166 H-3			58	4	
			169	8	177
4170 H1 & 3	1	0-4	91	68	159
4171 H1 & 7	2	0-4	140	133	273
4172 H1 & 5	3	0-4	76	110	186
4167 H1 & 6	3+	44°	145	235	380
4168 H1 & 4,	1	48°	50	55	105
4169 H1	2	48°	16	26	42

No. plants					
28	on 6/30	all normal green			
37	on 6/30	50-seedlings emerged-		41 normal green 9 Chlorotic	
50					
96					
42					
82					
31					
4					

Tetraploid Blue Rose Types from

Row No		
M-1	3942H1-2-9	no plants
M-2	3942H1-2-4	2 plants both tetra
M-3	3942H1-2-6	(7 seeds) 2 plants Both tetraploid
M-4	3953H1-1a-2	(2 seeds) 1 plant 2a Tetraploid
M-5	3958H2-1-2	(7 seeds) 2 plants both Tetra
M-6	3958H2-1-4	(5 seeds) no plants produced
M-7	3958H2-1-5	(3 seeds) 2 plants Both are Tetra
M-8	3960H1-1a-3	(8 seeds) 3 plants all are Tetra

Heat + Cold Treatments.

POW No.		
M-9	3960H1-1a-11	(3 seeds)
	no plants produced	
M-10	3960 H1-1a-15	(12 seeds) 5 plants
	all are Tetra.	
M-11	3960H1-1a-20	(3 seeds) 1 plant
	2 are a tetra no seed produced	
	dec, lower vigor	
M-12	3942H1-1-1	(2 seeds) 1 plant
	2 are a Tetra	
M-13	3942H1-1-2,	(8 seeds) 4 plants
	all are Tetra	
M-14	3942 H1-2-2,	(7 seeds) 4 plants
	all are Tetra	
M-15	3942H1-2-3,	1 plant
	2 are a Tetra	
M-16	3953H1-16-1	(3 seeds) 2 plants
	West pl - Trip	
	east " - Tetra	

Row No

M-17 3953H1-16-2 (2 seeds)
(no plants produced)

M-18 3958H1-16-4 (4 seeds)
2 plants
Both Tetra

M-19 Caloro Tetraploid (J.W.S.)
(14 seeds)
all plants Tetra 7 plants

M-20 3942H1-2 (Orig. Plant) (34 seeds)
16 plants
all plants Tetra or Trip

M-21 3958H1-1 (Orig. Plant) (20 seeds)
(In 1941 - Highly Fert)
10 plants
are diploid & Tetra plants.
(8) - (2)

M-22 3960H1-1, (Orig. Plant) (20 seeds)
7 plants
all Tetra & Trip
4 n 5 2 n 3

M-23 4031H1-15, (6 seeds)
1 plant
Tetra

M-24 4031H1-23, (6 seeds)
2 plants
1 Tetra + 1 Prob. a Trip

M-25 4031H1-37, (6 seeds)
3 plants
all Tetra

M-26 4031H2-2 (3 seeds)
(no plants produced)

M-27 4031H2-3 (4 seeds)
1 plant
Prob a Trip

M-28 4031H2-27 (1 seed)
(no plants produced)

M-29 4031H2-35 (3 seeds)
2 plants
Both are Tetra

M-30 4031H2-50 (1 seeds)
(No plants produced)

M-31 4032H1-19 (4 seeds)
2 plants
Both Tetra

M-32 4032H2-19 (4 seeds)
(no plants produced)

Row No		
M-33	4032H4-4 all Tetra	(7 seeds) 2 plants
M-34	4034H1-34 all normal not Hv	(9 seeds) 6 plants
M-35	4035H3-25 all Tetra	(6 seeds) 4 plants
M-36	4036H2-16, (no plants produced)	(2 seeds)
M-37	4020H1-2, appear Normal	(11 seeds) 6 plants
M-38	4032H3-3 appear Normal not Hv	(many seeds) 21 plants
M-39	4031H2-22, appear small seeded	(18 seeds) 10 plants
M-40	4014H2-12 not Hv	13 plants

Row No

M-41 4011H2-21

not Hr

M-42 4032H1-9

most plants are lightly sterile, a few are quite fertile

M-43 4032H2-18

not Hr

M-44 4032H2-24

not Hr

M-45-4032H2-26

not Hr

M-46- 4032H2-27

appears normal

M-47- 4032H3-4

not Hr

much sterility

M-48 419 A ♀ Parent, (Multi-Recess.)

Parent Material, 1941 Crosses.

M-49 413A ♂ Parent (Multi:Rec.)

M-50 413A ♀ and 414A ♀ Parent
C.I.- 6248

M-51 411A ♀ Parent - CI-6248

M-52 411A ♂ ~~and~~ parent - 41-4808
Purple CI-3025

M-53 410A ♂ Parent - 41-4806
(CI-4011 x BR ~~1~~.)
(long - 0.91.)

M-54 418A ♀ and 419A ♂ - 41-4806
(CI-4011 x BR ~~1~~)
(long 0.91.)

M-55 417A ♂ Parent - 41-4808
CI-3025

M-56 416A ♀ and 417A ♀ Parent - CI-6248

M-57 4110A ♀ Parent Multi-Recess.

M-58 4112A ♂ Parent C2854-3

M-59 412A ♀ Parent B2913A29

M-60 416A ♂ Parent Prob. Italian Red

M-61 412A ♀ Parent 41-2815 (Kx7143)

M-62 Zenith Sel

M-63 - long Seeded Plant from B2913A29 (Nome 1941)

M-64 4112A ♀ Parent 41-3282 BR. Sel.

F_2 of 1941 Crosses listed on page - 86, Book II

Trans-planting Block.

Row-1 (North Row - West END)

411A1✓ B2913A29(CoxBR) x Zenith CO ModR

411A2✓ do ModR

411A3✓ do ModR

412A1 B2913A29(CoxBR) x B353A2-14(KX7143) S 1st 8/2

412A2 do S 8/20

412A3 do S 8/

412A4 do S 8/2

412A5 do S 8/2

413A1 CI-6248 x Multi-Recessive
Medium light MP color

413A2 do

413A3 do

414A1✓ CI-6248 x (4055B Liq-Britt Seg)

414A2✓ do

414A3✓ do

415A1✓ Multi-Recessive x (4055B-Liq-Brit. Seg

415A2✓ do

(Very armed plant, Triploid a trisomic)

✓ started in greenhouse in fall of 1941
others sown in Spring of 1942

Have approximately 85 different F1 plants from crosses between pure line selections & mandshuricus

415A3,	Multi-Recessive x (4055B-Liq-Britt. Seq)
415A4	do
415A5	do
415A6	do
415A7	do
415A8	do
416A1	CI-6248 x Italian Red
416A2	do
416A3	do
416A4	do
416A5	do
417A1	CI-6248 x (41-4808 (Non Purple Seg)
417A2	do
417A3	do
417A4	do

418A 1 ½ (41-4806-Long 0.gl.) x (4055B-Lig-Britt.Seq

418A2 ½ do

418A3 ½ do

418 A4 ½ do

418A5 ½ do

418A6 ½ do

418A7 ½ do

419A1, - Multi-Recessive x (41-4806, long 0.gl.

419A2 do

Second Row (starting at West End)

4110A1 ½ - Multi-Recessive x (41-4806, long 0.gl.

4110A2 ½ do

4110A3 ½ do

4110A4 ½ do

4111A1, - CI-6248 x (41-4808, pun-pl. S-q.)

4111A2 do

½ started in greenhouse in fall of 1941
other plants were in spring of 1942 in greenhouse

X to greenhouse fall 1942

4111A3	CI-6248 x (41-4808, Purple Seg.)	
4111A4	do	
4112A1	(Blue Rose-41-3282) x C 2854-3	
4112A2	do	
4112A3	do	
4112A4	do	
4112A5	do	
4112A6	do	
4112A7	X do	Proh the best plant th year in backcrossing to KYNL BP lycium
4112A8	do	8/25
4112A9	do	
4112A10	do	8/25
4112A11	do	
4112A12	do	
4112A13	do	
4112A14	do	

Plants from greenhouse material saved late then planted in field in spring of 1942

Second-Row, (Continued)

4112A15; (Blue Rose-41-3282) x C2854-3

4112A16 do

4112A17 do

4112A18 do

4112A19 do

4113A1; CI-5548 x Shiro Beniya

4113A2 do

4113A3 do

4113A4 do

4114A1 CI-5548 x Asahi

4114A2 do

4114A3 do

4115A1; CI-5548 x Guneki

4116A1; CI-5548 x CI-6796

4116A2 do

4116A3 do

4116A4 do

4116A5 do

Third Row, - (Starting at West End)

4116A6, - CI-3548 x CI-6796

4116A7 do

4116A8 do

4116A9 do

4116A10 do

4116A11 do

41-2437, § 3513A12-1-1-1, (B2916A7-3-2x SBR)

~~xx~~

4117H-4-1 (Heat-treatment ~~Blue Rose~~ Caloro)

4117H-4-2 (Heat-treatment ~~Blue Rose~~ Caloro)

4117H-4-3 (Heat-treatment ~~Blue Rose~~ Caloro) (Round)

4117H-4-3(a) Small sheet from H4-3 which had double ends

4117H-4-4 (Heat-treatment ~~Blue Rose~~ Caloro)

4154H3-1 (Heat-treatment ~~Blue Rose~~ Caloro)

X Jones Honduras (row 5052 mut. block)

Caloro - 6065

64 plants {40=CO Resistant / 24=CO Susceptible} Count early in season

Third Row; continued.

R 15/6	4117A1, ⊗ F1 (C2854-3 X B2913A 29) X B2916A CO X BR			
R 16/4	4117A2	⊗		do
S 0/13	4117A3		+	"
S 0/17	4117A4		+	"
R ?/2	4117A5	⊗		"
R 21/4	4117A6	⊗		
S	4117A7			"
R	4117A8	⊗		"
S	4117A9		+	"
R	4117A10	⊗		"
R	4117A11	⊗		"
R	4117A12	⊗		"
S	4117A13		+	"
S	4117A14		+	"
S	4117A15		+	"
R	4117A16	⊗	+	"

⊗ These lines bulked in 1948 for a bulked plot.

late count showed 26R 38S

All 4117A plants started in greenhouse in fall 1941

Co.		Co	
S	4117A17, - F1(C28543xB2913A29) x B2916A34	Co x BR	Ex BR
S	4117A18	+ Co x BR	"
S	4117A19	+	"
S	4117A20		"
S	4117A21		"
R	4117A22	Ø	"
S	4117A23		"
S	4117A24	+	"

Fourth Row Starting At West End.

R	4117A25	Ø	"
S	4117A26		"
S	4117A27		"
S	4117A28		"
S	4117A29	+	" (R with S) segregating F_2
S	4117A30		"
R	4117A31	Ø	"
S	4117A32		"

C-0

Fourth Row (Continued)

S	4117A33, - F_1 (C2854-3 x B2913A29) x B2916A34				
		Co x BR		Co x BR	Ex BR
R	4117A34	⊗		"	
R	4117A35,	⊗		"	
S	4117A36,			"	
S	4117A37,			"	
R	4117A38,			"	
R	4117A39,			"	
R	4117A40,			"	
R	4117A41,	⊗		"	
S	4117A42,			"	
S	4117A43,		+	"	
S	4117A44,		+	"	
R	4117A45,	⊗		"	
S	4117A46,		+	"	
S	4117A47,			"	
R	4117A48,	⊗		"	

all 4117A plants started in greenhouse in fall 1941

4117A49	F1 (C2854-3 x B2913A-2)	CO x BR.	x B2916A34 E x BR.
4117A50	+		
4117A51	+		
4117A52		⊗	
4117A53		⊗	
4117A54	+		Segregating in F1 although marked segregating in F2
4117A55	+		
4117A56	+		
4117A57	+		segregating in F2
4117A58	+		
4117A59	⊗		
4117A60		⊗	
4117A61	+		
4117A62	+	⊗	
4117A63		⊗	
4117A64	+		

Fifth Row - Starting At West End -

F_1 - Shoemed x Early Prolific

F_1 - Caloro x Blue Rose

F_1 - Calady x Blue Rose

F_1 - 3722A Fortuna x Blue Rose

F_1 - Caloro x Calady

F_1 - 376A2, B2920A9-9 x Shoemed

X F_1 - 379A1 - $(K \times H^{B2911A18-1-1A}) \times$ (B314A8-2-2-4, SP x SJ)

X F_1 - 3711A2 - (B2911A18-1-1B x (B314A8-2-2-4, SP x SJ)

F_1 - 3716A1 - CI-6121-3 x CI-6993

X F_1 - 391A3, (B314A8-2-1, SP x SJ) x Rexoro

F_1 - 392A1 - (B314A8-2-1, SP x SJ) x Delitus

X F_1 - 393A1, - (B314A8-2-1, SP x SJ) x Shoemed

F_1 - 394A6, - (314A8-2-1, SP x SJ) x (34A, BR x 5309)

F_1 - 395A1, - (B314A8-2-1, SP x SJ) x B3715, Nira

F_1 - 396A4 (B314A8-2-2, SP x SJ) x (B321A2-8, R x D)

F_1 - 397A1, - (B314A8-2-2, SP x SJ) x (AL-11 (S x F)

F1 - 399A1, (B314A8-2-2, SPxSJ) x (C2854-3

F1 - 3910A3, (B314A8-2-2, SPxSJ) x B2920A9-9, 2BRxF)

F1 - 3919A1, CI-6121-3 x Blue Rose

F1 - 3920A1, CI-6011 x Blue Rose

F1 - 3921A1, CI-6011 x CI-5309

F1 - 3922A1, Blue Rose x CI-5309

F1 - 3923A1 - CI-5309 x Blue Rose

F1 - 3924A1 - CI-5309 x Blackhull

F1 - 3925A1 - CI-3212 x CI-5309

F1 - 3934A1 - From Seed from 39-2704 Haploid (352A1-59, KxR)

F1 - 3934A2 do

F1 - 3934A3 do

F1 - 3934A4 do

F1 3938A1, Seed from 38-3033 Haploid
Did Not Appear to Be Diploid & Color

F1 - 401A2, C2854-3 x (B2913A29, CoxBR)

F1 - 402A1, Blue Rose x (B2913A29, CoxBR)

Row Five, (Continued)

F_1 - 403A1, - C2854-3 x Colusa

X F_1 - 404A1, - C2854-3 x Early Prolific

F_1 - 405A1, - Multi-Recessive x CI-1696 (Br. Hle)

F_1 - 408A4, - C2854-3 x Shoemed

F_1 - 4011A1, - C2854-3 x Caloro

F_1 - 4012A2, - C2854-3 x Delitus

X F_1 - 4014A1, - C2854-3 x Blue Rose

Row Six ;- Starting At West End

F_1 - 4016A1, - B2912A47 x C2854-3

F_1 - 4017A1, - Arkrose x C2854-3

F_1 - 4018A1, - Storm Proof x Spain Jap

F_1 - 4019A1, - Storm Proof x (B2912A13, K x BR)

F_1 - 4022A1 (B321A2-8, R1D) x (B3313A1-4, R1689)

F_1 - 4025A1 (B3313A1-16, R1689) x (B3313A1-4, R1689)

X F_1 - 4026A2, (B3313A1-16, R1689) x Rexoro

X F_1 - 4027A2, (B323A5-8, R10) x (Rexoro)

F1- 4030A1 - (B3313A1-16, Rx7689) x (B324A1-8, Rx5094)

F1- 4031A3 - (B324A1-8, Rx5094) x (B323A5-8, RxSBR)

F1- 4032A1 - (B324A1-8, Rx5094) x (B321A2-8, RxD)

F1- 4033A1 - (B324A1-8, Rx5094) x (B3313A1-16, Rx7689)

F1- 4034A1 - (B324A1-8, Rx5094) x (B321A2-5, RxD)

F1- 4035A1 - (B324A1-8, Rx5094) x (Rexoro)

F1- 4036A1 - (B321A2-5, RxD) x (Rexoro)

F1- 4038A1 - (Rexoro x Deltus)

F1- 4041A1 - (B321A2-5, RxD) x (B324A1-8, Rx5094)

F1- 4042A1 - Rexoro x (B321A2-8, RxD)

F1- 4043A2 - (B321A2-5, RxD) x Rexoro

F1- 4044A1 - (B323A2-8, RxSBR) x Blue Rose

F1- 4045A1 - (B323A2-8, RxSBR) x C2854-3

F1- 4046A2 - (B2920A4-9, IBR-F) x C2854-3

F1- 4047A1 - (B2913A31-2, Co x BR) x (C2854-3)

F1- 4049A2 - (Rexoro x Blue Rose

Row - Six, (continued).

X F1 - 4051A2; (B2913A29, Co x BR) x Caloro

F1 - 4054A1; CI-2671 (liguleless) x Multi-Recess.

F1 - 4055B3; CI-2671 (liguleless) x CI-1696 (Brittle)

F1 - 4057A1, - CI-2671 (liguleless) x CI-5173

Row - 7. Starting At West End

Blue Rose Colch #3

X Blue Rose Colch #1

?

X BlueRose - Rel. Surv. #1

X Blue Rose - Rel Surv. #2

X 4014H-2-15, BR. appears to be normal plant in 1942

X 4020H1-2, ~~BR~~ Caloro

4032H-2-26, BR appears to be normal BR plant

X 3942H-1-2, BR Tetra

X 3958H-1-1, BR Tetra

" 2-1-3 died

X BR Colch #2 (Maybe a typlord?)

Plant from Nira Triploid seed

X 39-2419

X 38-3621

X 38-4585

Sterile from Acadia (died)

X 3957H-1-1

Caloro Triploid (Jones)

X 2913A29 (Triploid-like)

X Caloro-Pl-1 (Haploid)

X 38-3061 (? now heads 4061)

X R-1390 (Triploid, Jones)

4011H-2-21

4014H-2-12

4031H-1-35

4031H-1-36

X 4032H-1-9 Highly sterile in 1942
Check Clinton 76 grow seed from this plant in 1943

Row 7, (continued)

4032H-2-1, Best looking Millet grow in 1943, CO = 9

4032H-2-18,

4032H-2-24

4032H-3-3

4032H-3-4

4034H-1-34

Crosses Made in 1942

Cross No.	Cross ♀		♂
July 21, 1942:			
421A	R-3444 (B372	A1-93, F x BR) x	R-3084 (K x 71
422A	R-3444 (	") x	(R-264 (BR x 4
423A	R-4429 (4044	A1-46, BR-4) x	R-3084 (K x 7143
424A	R-4429 (	") x	R-264 (BR x CT-401
425A	R-4429 (	") x	R-3444 (F x BR

Many florets opened on each panicle except in the case of Row 3084

423A and 424A ♀ Parent (42-4429 plant) was susceptible. Used same plant as ♀ parent for 425A ♀ parent (42-4429 plant) was also sus

Sept 3rd, 1942				
426A	B323B39-136(1)03	x	BR-41	NH
427A	"	x	B34A39-47 (107)	NH
428A	"	x	Brum. Sel (104	
429A	B34A39-47 full plant (107)	x	[illegible]	)100
4210A	"	x		91
4211A		x	BR-41	4540
4212A	Intermediate Dwarf	BR (5044) x	BR	
4213A	Grassy Butt (5045)	x	Crawley Grassy	(5003,
4214A	BR dwarf (5001)	x	Butt grassy (5045)	
4215A	(4625 (K x [illegible]	x	BR-41	

		Nr treated	Length treatment	Temp	No. Plants Pds	Crossed by
353A2-14-14)		10: AM	10	44	28 - 2	HMB
39-4312)		10: AM	10	44	26- 8	HMB
353A2-14-14)		10: 20AM	10	44	21- 8	HMB
39-4312)		10: 20AM	10	44	25-12	HMB
3722A1-93)		10: 20AM	10	44	28-13	HMB
treated and abundant pollen					128-43	available
~ 60. (Row 4429 is a sig row known crosses 4238 4248 eptible to O.O.						
no 9 plant tagged					7	HMB
9 plant tagged					16	NH
					1	NH
					7	NH
					17	HMB
					7	NH
					4	HMB
					12	HMB
					2	HMB
7 parent and 4 top 7 panicle					2	NH

4216A	38	x 2505 (Epal)	
4217A	38	x 2533 (Epal)	
4218A	38	x 2521 (B2916A34 pal)	

421A to 425A, inclusive, sown in green

426A-428A, inclusive sown in green

Transplanted to field _____

no ♀ parent used, Prob the same as 42184	9	HMB
♀ parent used at top of panicle	8	NH.
♀ parent used at top of panicle	6	NH

ence in fall of 1942

ence on March 20, 1943

1943

leaf blade	Leaf sheath	Ligule	Auricles	Culms	Panicle	Glumes
Smooth erect acute wide long light grn	Surface Inside green Node grn	Acute split short red	Present pairing bony white	small few erect stiff green	open erect	Keeled top thin hairy Lower short

5044 ♀ BK

BK dwarf ♀ grazing

" ♂ 5044

Jodon grazing ♀ Bunt grazing

Jodon double dwarf ♀ "

1942

RICE NURSERY

YIELD PLOT

EXPERIMENTS

1942

UNITED STATES
DEPARTMENT OF AGRICULTURE

FIELD NOTES

BUREAU OF PLANT INDUSTRY
DIVISION OF COTTON AND OTHER FIBER CROPS
AND DISEASES

SUGGESTIONS CONCERNING FIELD DATA AND NOTES

DIVISION OF COTTON AND OTHER FIBRE CROPS AND DISEASES

It is suggested that the following general information be recorded for each field experiment:

1. Name of experiment or study.
2. Soil type.
3. Previous crops and fertilizers (2 years).
4. Preparation of land: (*a*) Methods (*b*) Dates
5. Size of plot:
   (*a*) Area in square feet (*b*) Number of rows
   (*c*) Length of rows (*d*) Width of rows
6. Fertilizer: (*a*) Pounds per acre
   (*b*) Analysis (N–P–K) (*c*) Time of application
   (*d*) Method of application (*e*) Side dressings
7. Planting: (*a*) Date (*b*) Rate (*c*) Method
8. Thinning: (*a*) Date (*b*) Method (*c*) Approximate optimum spacing attempted
9. Cultivation: (*a*) Implements used (*b*) Dates
10. Dates at which all notes and samples are taken.
11. Dates of pickings.

The following suggestions are made in regard to recording data:

1. Record all dates as figures, giving the month and day of month, as 5/16 (May 16).
2. Record all field weights in pounds and decimal fractions of pounds. The requisite accuracy depends somewhat on the size of sample, but for ordinary size plots 0.1 pound is usually satisfactory. It is suggested that small samples be weighed more accurately (0.01 pound).
3. Estimations, such as seeding vigor, shedding, color, etc., may be recorded either numerically or with letter designations, as is found convenient; for example (seeding vigor), 1=Excellent, 2=Good, 3=Medium, 4=Fair, and 5=Poor; or E=Excellent, G=Good, M=Medium, F=Fair, and P=Poor. An explanation of legends should be recorded for each variable and experiment.
4. Diseases and insect pests.
   (*a*) GENERAL.—Attach by diseases or insect pests should be recorded by suitable legends to indicate type of disease or pest, percent of plants killed or affected, and in serious attacks, estimating crop loss. For example, FW *5/35–7 (Footnote* Fusarium wilt 5 percent plants killed, 35 percent affected, 7 percent loss estimated).
   (*b*) SPECIAL.—Where the book is used for taking notes on regional field tests on disease resistance, treatments, etc., it is suggested that directions which are furnished for taking uniform data be pasted, or copied, in the front of the book.
5. Diagram, to scale, the block on which each experiment is conducted, showing visible soil differences, variable plant response attributable to soil differences, drainage, or unequal irrigation, slope of land or contours, and any other features which may materially assist in interpreting the results. The square ruled paper in the front of the book may be found useful for this purpose.
6. Explain clearly all legends used.
7. Identify all experiments as to location on blocks and YEAR.

For types of experiments for which this book does not provide ample page space, larger sheets should be utilized. In taking data, which are to be reported in this book, or on larger sheets especially provided, the field or laboratory determination should be written directly, at the time of weighing or otherwise determining, and submitted to Washington, or filed as the permanent record. Avoid all possible transcribing or typing of raw data.

U. S. GOVERNMENT PRINTING OFFICE 217929

Uniform Late Maturing Varieties:

		1941 No	Seedling Order	Dates Head 1st	Head Full	Ripe 1st	Ripe Full	Yr.
179	B322B39-2	200	534	8/25	9/5		9/26	
	R x F		576	8/26	9/5			
Ad-Uni			609	8/21	9/3	9/9		
			644	8/23	9/4	9/9		
		1		8/23			9/26	
180	B321A2-5	86D	535	8/23	9/5		9/25	
Was #207	R x D		578	8/21	9/4			
disc			611	8/21	9/2	9/8		
			643	8/20	9/3	9/8		
				8/21			9/25	
181	CI-6001	Crowley La.	536	9/8	9/17		10/9	
L-Uni			571	9/9				
			600	9/10				
			640	9/9				
				9/9			10/9	
182	C-3-I-9-2-4	Crowley La.	537	9/8	9/16		10/9	
L-Uni	BR x (BR x R)		570	9/9				
			604	9/9				
			637	9/8				
				9/9			10/9	
183	B324A1-8-2-1A	208	538	8/18	8/28	9/6	9/16	
L-Uni	R x 5094		567	8/18	8/29	9/9	9/16	
Ad grant	Some tagged plants acc. stuff stem		603	8/16	8/27	9/4	9/14	
			638	8/18	8/28	9/5	9/14	
				8/18			9/15	

Plant Ht. (in.)	Diseases ~~H.O.~~	H. O.	C. Q ~~H.C.~~	WT	Lf Bn
45		20R		0	+ seg
46					
46					
48					
46		20	R	0	Seg
46		15 R		0	+
44					
50					
50					
48		15	R	0	+
48		20		0	0
47					
55					
52					
51		20	R	0	0
46		5		2	+
46				2	
54				2	
51				2	
50		5	R	2	+
44		15		0	0
43					
50					
47					
46		15	R	0	0

338			
269			
410			
420			
1437	47.9	2156	
368		6	
261			
355			
288			
1272	42.4	1908	
450		9	
403			
771			
751			
2375	79.2	3562	
318		1	
275			
435			
445			
1473	49.1	2210	
320		5	
330			
356			
386			
1392	46.4	2088	

Revizo straw-type, short.

Very good BK type but of Rexmoturity

1941 No			Seeding Order	Dates Head 1st	Head Full	Ripe 1st	Ripe Full	Ht
184	Texas Patna	83D	539	8/20	9/1	9/9	9/17	
	Rx5094		575	8/19	9/1	9/8	9/17	
cut grand disc. Use early steam			607	8/20	8/28	9/9	9/15	
			633	8/19	8/30	9/8	9/16	
				8/20			9/16	
185	C322 A8-30	Crowley La.	540	9/2	9/13		10/1	
L-Uni	RxF		569	9/1				
			605	8/28	9/9			
			636	9/28				
				8/30			10/1	
186	C.I. 4700	Crowley La.	541	9/7	9/16		10/5	
L-Uni			572	9/8				
			602	9/6				
			641	9/6				
				9/7			10/5	
187	C-3-I-7-4-2	Crowley La.	542	9/6	9/18		10/8	
disc	BRx(BRxR)		574	9/6				
			610	9/8				
			634	9/9				
				9/7			10/8	
188	Rexoro	87D	543	8/29	9/11	9/17	10/4	
L-Uni			568	8/31	9/10			
			606	8/27	9/9			
			639	8/28	9/10			
				8/29			10/4	

Plant Ht. (in.)	~~F.B.~~	Diseases H.O.	C.O. ~~W.F.~~	WT	Lit BR
45		10		0	0
42					
49					
48					
46		10	R	0	0
49		15		0	T Sep
49					
54					
53					
51		15	R	0	Sep
52		15 R		0	0
51					
58					
56					
54		15	R	0	0
43		10		1	+
43				2	
49				1	
49				2	
46		10	=	2	+
45		15		0	0-T
43					
48					
48					
46		15	R	0	T

1941 No			
261			
260			
365			
330			
1216	40.5	1824	
398		11	
415			
395			
489			
1697	56.6	2546	
467		3	
439			
585			
543			
2034	67.8	3051	
254		2	
222			
186			
355			
1017	33.9	1526	
401		12	
371			
370			
395			
1537	51.2	2306	

Rather tall, v. good.
about R9K maturity
Very good straw type

Not nearly as good as 182

		1941 No.	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full
189	C321A4-11 RxD	Crowley La.	544	8/23	9/6	9/14	9/28
Walkmeier seed from Country			573	8/23	9/5		
			608	8/21	9/4		
			642	8/21	9/4		
				8/22			9/28
190	B321B39-12 RxD	227	545	8/24	9/5	9/12	9/25
L-Uni			577	8/23	9/4		
			601	8/22	9/3		
			635	8/24	9/4		
				8/23			9/25

Plant Ht	Diseases			
	H.O.	C.O.	WT	Lf. Br.
49	Seg		0	T-X
49				
52				
53			Tr	
51	Seg	R	T	T
41	15		0	T
39				
46				
44				
43	15	R	0	T

287		
220		
350		
387		
1244	41.5	1866
316		10
295		
389		
354		
1354	45.1	2031
		8

almost as early as
T.P. shorter + stiffer shaw

13 Beaumont late maturing

		1941 No	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full	
191	B324B39-2-1	2611	546	8/26	9/5		9/28	
	Rx5094		590	8/25	9/6			
h-Brut			630	9/23	9/4	9/10		
				8/25			9/28	
				8				
192	B323A3-14	167	547	8/23	9/5		9/26	
h-Brut	Rx SBR		584	8/22	9/3			
			615	8/23	9/3			
				8/23			9/26	
193	B324B40-4	2621	548	8/23	9/4		9/28	
	Rx5094		599	8/23	9/3			
h-Brut			626	8/23	9/2	9/8		
				8/23			9/28	
194	Iola	101	549	8/22	9/3		9/17	
			592	8/23	9/1	9/8		
h-Brut			618	8/21	9/1	9/7	9/16	
				8/22			9/17	
195	B324A5-5	113	550	8/23	9/12		10/4	
			596	8/22				
dwi			629	8/20	9/10			
				8/22			10/4	

...rameters:

Plant Ht.	Diseases H.O.	C.O.	WT	Lf. Br.
45	5		0	0
46				
48				
46	5	R	0	0
40	10		0	0
44			0	
45				
43	10	Seg	0	0
44	10		0	0-T
44				
44	10	R	0	T
43	10		0	T
46				
48				
46	10	R	0	T
44	10		0	T
46			1	
50				
47	10	R	1	T

242
292
375
909 40.4 1818
14

317
364
412
1093 48.6 2186
5

318
382
395
1095 48.7 2190
4

221
245
301
767 34.1 1534
21

353
232
303
888 39.5 1776
17

good. Similar to T.P.

Short straw, good
med-grain

Similar to T.P.

poor

Better than T.P
Prob not as productive

		1941 No.	Seeding order	Head 1st	Head Full	Ripe 1st	Ripe Full	H
196	B324B39-16	220	551	8/20	9/4		9/24	
h-Brnt	Rx5094		594	8/23	9/3			
			620	8/21	9/3	9/8		
				8/21			9/24	
197	B324A5-4	100	552	8/23	9/5		9/26	
dlac	Rx5094		593	8/22	9/2			
			628	8/21	9/3			
				8/22			9/26	
198	B352A1-59	216	553	8/29	9/7		9/29	
h-Brnt	KxR.		581	8/31	9/7			
			619	8/28	9/7			
				8/29			9/29	
199	B322A39-32	199	554	9/1	9/10		9/30	
h-Brnt	RxF		591	8/28	9/7			
			632	8/27	9/9			
				8/29			9/30	
200	B324A1-8-2-1B	217	555	8/20	8/29	9/6	9/16	
h-Brnt	Rx5094		582	8/18	8/28	9/6	9/15	
			623	8/18	8/28	9/6	9/14	
				8/19			9/15	

Plant Ht	Diseases H.O.	C.O.	WT	Lf. Br.
42	5	+	0	0-T
43				
45				
43	5	R	0	T
43	15		0	0-T
45				
48				
45	15	R	0	T
46	10		0	T
46				
47				
46	10	R	0	T
46	5		0	T-+
48				
49				
48	5	R	0	Seg
43	10		0	0
43				
49				
45	10	R	0	0

264			
284			
371			
919	40.8	1838	
		12	
249			
271			
385			
905	40.2	1810	
		15	
304			
306			
351			
961	42.7	1922	
		10	
348			
340			
459			
1147	51	2294	
		2	
259			
258			
311			
828	36.8	1656	
		18	

Shorter than T.P.

Similar to # 196

V. good for a short-grain non shattering type very stiff straw. Segr. short & med. grain types.

V. good. Too late straw-bulky.

		1941 No	Seedling Orders	Head 1st	Head Full	Ripe 1st	Ripe Full	Av
201	Texas Palma	83D	556	8/21	9/1	9/9	9/18	
L-Brut cut green	Rx5094		586	8/22	8/30	9/8	9/17	
			625	8/20	8/31	9/8	9/16	
				8/21			9/17	
202	B324A18-2-1C	226	557	8/21	9/2	9/10	9/18	
cut green L-Brut	Rx5094		589	8/19	8/29	9/8		
			624	8/20	8/30	9/9	9/16	
				8/20			9/17	
203	B323A5-12	195	558	8/23	9/3		9/25	
dsc			595	8/22	9/2			
			617	8/21	9/3	9/9		
				8/22			9/25	
204	B321B40-3	3505	559	8/8 scg	8/31	9/6	9/16	
L-Unif cut green	RxD		588	scg	8/28	9/5	9/14	
			613	scg	8/29	9/4	9/14	
				8/8			9/15	
205	B324B39-2	209	560	8/24	9/6		9/24	
L-Brut.	Rx5094		585	8/24	9/5			
			627	8/23	9/4			
				8/24			9/24	

Plant Ht	Diseases			
	H.O.	C.O	WT	Lf. Rt.
44	10		0	0
47				
49				
47	10	R.	0	0
44	10		0	0
46				
49				
47	10	R	0	0
38	2-5	Seg	0	T
43				
45				
45	5	R	0	T
44	15		0	T-t
46				
46	Have Hmm			
46	15	R	0	Seg
44	10		0	0
46				
46				
46	10	R	0	0

290			
317			
308			
915	40.7	1830	
		13	
274			
340			
344			
958	42.6	1916	
		11	
200			
316			
295			
811	36	1622	
		19	
294			
415			
426			
1135	50.4	2270	
		3	
297			
299			
303			
899	40	1798	
		16	

much yellowing down veins on 8/13

Very heavy stiff straw and V.G. grain type 2 weeks earlier than T. P.

good Similar to T. P.

No.	VARIETY NAME OR SELECTION NUMBER	1941 No	Seedling Number	Dates Head 1st	Dates Head Full	Dates Ripe 1st	Dates Ripe Full	Ht
206	CI-5548	111	561	8/20	8/29		9/30	
			587	8/21	8/29			
			622	8/21	8/29			
				8/21			9/30	
207	B321A 2-5 Sel. R x D	4885	562	8/23	9/5		9/20	
			580	8/24	9/4			
			616	8/23	9/2			
				8/23			9/30	
208	B324B40-3 Rx5094 dried up & died	2619	563	8/23	9/1		9/20	
			598	8/21	9/-			
			631	8/20	8/29	9/7		
				8/21			9/20	
209	B3313A1-4 Rx7689	110	564	8/23	9/5	9/10	9/23	
			597	8/22	9/3	9/8		
			614	8/21	9/3	9/7		
				8/22			9/23	
210	B324A1-14 Rx5094	222	565	8/25	9/3	9/10		
			583	8/23	9/2	9/6		
			612	8/20	9/2	9/7	9/16	
				8/21			9/16	

Plant No.	H.O.	C.O.	WT	Ab.
49	15		0	0
43				
44				
42	15	R	0	0
47	10		0	T
45				
51				
48	10	R	0	T
40	10		0	0
39				
45				
41	10	R	0	0
43	10	R	0	0
46				
49				
46	10	R	0	0
42	10		0	0
44				
40				
44	10	R	0	0

gms per row				Test
ER	Bu	Wht	Int	
330				
551				
595				
1476	65.6	2952		
		1		
322				
334				
391				
1047	46.5	2094		
		7		
273				
370				
341				
984	43.7	1968		
		9		
331				
327				
419				
1077	47.9	2154		
		6		
255				
250				
290				
795	35.3	1590		
		20		

Vol Vol Broth Vol Vol cooker odor
mic - ester

Very good

appears to be of better
than original strain

Prob not as productive as TS

		1941 No	seedling selection	Head 1st	Head Full	Ripe 1st	Ripe Full	HV
211	Rexoro	87D	566	9/1	9/11		10/4	
	TS-19941		579	8/31	9/10			
	CI-1779		621	8/27	9/10			
				8/30			10/4	

Plant Ht.	Diseases			Lf. Br.
	H.O.	C.O.	WT	
44	10		0	0
44				
46				
45	10	R	0	0

365
322
338
1025 45.6 2050
8

V. Gmel

		1941 No	Seedlings	Head 1st	Head Full	Ripe 1st	Ripe Full	Hv
Single 212	B283A6-7(glut.) ExF	2547	416	8/15	8/27		9/15	
Single 213	B283A2-2-3 ExF	2327	417	8/13	8/20		9/13	
Single 214	B3321 B38-7 (5403×2 xE)	2443	418	7/20	8/1	8/5	9/16	9/
Drai 215	B402, B.R.	161	419	8/30			10/9	
Drai 216	B379A1-5 (KxH)×(SP×SJ)	130	420	9/28			9/28	
Drai 217	B3512A2-41 (SP×SJ)×SBR	172	421	9/24	9/1		9/24	
Drai 218	B3715A6-8-1 F1(3512A)×SBR	2217	422	8/10	8/18	8/30	9/10	
Drai 219	B3512A39-46 (SP×SJ)×SBR	114	423	9/25	9/2		9/25	
Drai 220	B379A1-5 (KxH)×(SP×SJ)	2536	424	9/18	8/29	9/5	9/15	
Drai 221	B3512A38-1 (SP×SJ)×SBR	2510	425	9/26	9/3		9/26	

Plant Ht.	Diseases H.O.	C.O.	WT	Lf. Br.
				T
44		leg	2	
44		S	tr	T
35	R	R	0 yellowing 6/18	+
35		yellowing 6/18	(1)	+
35			3	0
33		leger	2	0
33		R	3	T-+
39		S	2	T
41		R	1	0
36		S	1	0

plot	grain yield per acre	Run pounds
209	27.9	1254
288	38.4	1728
185	24.7	1110
198	26.4	1188
—	—	—
—	—	—
244	32.5	1464
—	—	—
210	28.0	1260
—	—	—

segregating glutinous and common.

excellent texture, med-grain type

med-grain, poor texture

Stiff straw, good a a parent perhaps

med-grain, excellent texture

gold hulls
fairly good

disc gold hulls

disc

med-grain, poor texture, wh.C.

disc

disc

med-grain, rather dwel texture

very close to H.O
many sterile heads but
much better SPXS J

disc

		1941 No.	Seedling Order	Head 1st	Head Full	Ripe 1st	Ripe Full	Ht
~~Drop~~ 222	B312A8-1 T.F. x E.P.	2353	426	8/19	8/28		9/14	
~~Drop~~ ~~223~~	~~B3716, N.~~	R12	427	8/28			9/28	
224	B352A1-57 K x R	121	428	8/17	9/2 Segregating		9/20	
225	B352A11-2-3 K x R	2425	429	8/10	8/18	9/26	9/2	9/2
226	B321B39-13 R x D	2468	430	8/4	8/13	8/23	9/3	9/2
~~Drop~~ 227	B3318B40-2 7689 x F	2644	431	8/3	8/12	8/23	9/2	9/2
~~Drop~~ ~~228~~	B3318A2-5 7689 x F	2645	432	8/27			9/27	
229	B354A1-29 (SBR x 7143)	3012	433	8/20	8/29		9/12	
				Apparently a S x N cross				
~~Drop~~ 230	B358A3-19 K x 4700	3150	434	8/27	9/3		9/30	
~~Drop~~ 231	B3414B40-2 D x 7190			8/8	9/16	8/24	9/2	9/2

Plant Ht.	Diseases			Lf Br.
	~~H.O.~~	C.O.	W.T.	
38		Seg	3	T
38		R	tr	0
43		R	+ 1/16	0
42		R	0	T
45 considerably over ½	0 tr highly resist	R-O yellowing + +	+ 6/18 tr	T leaf area diseased - 7/11
44		R possibly Seg. fine like Frit.	0	0
			tr	0
44		R		
39		R	0	0-T Seg
42		—	Tr	0
40		R	0	0-T Seg

216	28.8	1296
—		—
224	29.9	1344
198	26.4	1188
174	23.2	1044
295	39.3	1770
336	44.8	2016
217	28.9	1302
190	25.3	1140
238	31.7	1428

Med-grain, Ep texture — disc

cyl. med-grain good texture — Very stiff straw, lose sets
disc if set from this line is available

cyl. med-long-grain, Very good texture, — Fair to good, trace shatt.
Prob. disc. disc. other strains are available — questionable value.

Reproductive & very bad for yellowing but not H.O.

Improved, good long slender-grain type
Possibly keep acc. No resistance

Good long-grain, considerable chalk — Prob. Rep. V. good, v. little shatt.
this prob. due to storm.

med-grain, only fair texture
Grow only single plot for this reason — V. good. Adv. 2S still standing well on 10/13
Straw in excellent condition

Good, med-grain, Grow at least a single — V. good, uniform

V poor

2S prob a K x R ?
good

med-long slender-grain, Considerable — Mix Ot. Prototype Adv
chalk this prob. due to storm Good — V Promising — Stiff straw

1941 No		Seedling No.		Head 1st	Head Full	Ripe 1st	Ripe Full	H
232	Taman Fortuna	3250	436	8/8	8/17	8/26	9/4	
233	Taman Nira	3243	437	8/8	8/17	8/25	9/2	
234	Taman Nira (Purple)	3245	438	8/11	8/21	8/28	9/8	
235	Nira	Breeding Nursery ck rows	439	8/12	8/20	8/27	9/8	
236	Nira Sel. (Nome)	5040	440	8/14	8/25	8/30	9/9	
237	B347 B39-4 RxN	3095	441	8/10	8/17	8/25	9/3	
238	B346 B39-18 SxN	3086	442	8/14	8/23	9/3	9/9	
239	B3173-1 CA x LW	58	443	8/13	8/20		9/15	

Plant Ht.	Diseases			Lf. Br.
	~~H.O.~~	C.O.	WT	
46		R	O	T
44		R	O	O-T slg
50		R	O	O
52		R	O	O slg.
47		R	O	T
46		R	O	O
45		R	O	+
40		S slow dumping	tr	O-T slg

301	40.1	1806
239	31.9	1434
273	36.4	1638
215	28.7	1290
248	33.1	1488
204	27.2	1224
302	40.3	1812
254	33.9	1524

xcellent Rex grain type, some chalk
ust pink due to storm

v. good med-grain, eval. texture

similar to Mira

v. similar to Mira except for purple husks

similar to Mira

mp in husks, not as tall as Mira, heavy glumes V. good.

ruly fair grain, much chalk. ust more than a single

V. good, not as tall as Mira gold husks

ood long-grain type, tr W.C.

V. Uniform med-lt pink color, good as O.K.

excellent short-grain

		1941 No	Seedling Order	Head 1st	Head Full	Ripe 1st	Ripe Full	Hv
disc 240	S3512A38 (SPxSS)xSBR	1978	484	8/14	8/19		9/15	
disc 241	B3512A38-5-2 (SPxSS)xSBR	2051	485	8/15	8/19		9/15	
M.Bmt 242	B3512A38-5-3 (SPxSS)xSBR	2052	486	8/15	8/19		9/15	
disc 243	B2920A3-4-1-1-1 IBRxF	60	487	8/8	8/16	8/28	9/10	
disc 244	B323A5-2 IRxSBR	68	488	8/9	8/17		9/10	
single 245	B323A2-8-2-1 RxSBR	75	489	8/3	8/12	8/23	9/3	
246	B297A18-2 CoxD	61	490	8/14	8/26		9/20	
M-Bmt 247	Bl. Rose Sel. (Early Red type)	2144	491	8/15	8/21		9/15	
disc 248	(Bl. Rose ~~Sel~~ S-41-63	~~403~~ ~~448~~	492	8/19	8/25		9/20	
M-Bmt 249	S-41-99, BR.	423	493	8/19	8/25		9/20	

Plant Ht.	Diseases H.O.	C.O.	WT	Lf Br.
45			1	+
46			tr	+
46			tr	+
43			1	+
43			1	0
41		R. yellowing like Rf	(tr)	T
42			1 pod lesion	0-T
42			1	+
43			tr	+
41			tr	+

278	37.1	1668
262	34.9	1572
324	43.2	1944
234	31.2	1404
291	38.8	1746
260	34.7	1560
305	40.7	1830
340	45.3	2040
295	39.3	1770
301	40.1	1806

all these have approx identical as to grain angle, shape and texture. as rel. shorter than #165

med-grain poor texture

good med- grain prob disc.

good med- grain,

good med- grain

good short med- grain

		1941 No.	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full	Ht
250	S-41-123 B.R.	432	494	8/18	8/24		9/20	
251	S-41-155 B.R.	442	495	8/19	8/24		9/20	
252	Bl. Rose (Wilfert)	4789	496	8/23	8/30		9/25	
	Advance this line acc. ability to stand up							
253	C2854-3 B.R.-41	Crowley La.	497	8/19	8/25		9/20	
254	Bl. Rose (Wilfert)	4790	498	8/18	8/24		9/18	
255	39-3089	5073	499	8/18	8/24		9/18	
256	F x Red	3235	500	8/27	9/3		9/28	
257	Blue Rose TS 7183 CI-1962	840	501	8/20	8/26		9/20	
258	B2911A18-1-1 Sel K x H	187	502	8/25	9/1		9/25	
259	B2911A18-1-1 Sel. K x H	196	503	8/19	8/24		9/20	

Plant Ht.	Diseases H.O.	C.O.	WT	Lf. Br.
41			2	+
40			2	+
45		S	2	O-T
very upright growth than BR, good.				
42		R	O.K	+
40		S	1	T
37		R	1	O-T very
36		R	1	O
41		S	3	+
41		R	3	O
38		R	3+	T

227	30.3	1362
271	36.1	1626
172	22.9	1032
333	44.4	1998
227	30.3	1362
284	37.9	1704
180	24.0	1080
270	36.0	1620
206	27.5	1236
211	28.1	1266

standing better than 151

standing much better than mixed BKs Lanyer grain, General & plants present Sand (C.S.)

much lodging

Prob not as good as the Ex Red sel.

Poor

Fairly good

Fair

		1941 No.	Heading Order	Head 1st	Head Full	Rip 1st	Rip Full	HV
disc	260 B2911A18-1-1 Sel KxH	178	504	8/21	8/28		9/23	
disc	261 B3710A1-3 (KxH)x BR	177	505	8/25	8/31		9/25	
disc	262 B2911A18-1-1 Sel KxH.	166	506	8/24	8/29		9/25	
	263 B2911A18-1-1 Sel KxH	2581	507	8/20	8/27		9/20	
	264 B2911A18-1-1 Sel KxH	2584	508	8/15	8/23		9/15	
	265 B2911A18-1-1 Sel KxH	2586	509	8/22	8/29		9/23	
disc	266 B3710A1-7 (KxH)x BR	3357	510	8/17	8/25		9/19	
disc	267 BR Sel. (Ark. old Style)	2003	511	8/15	8/23		9/16	

Error on Forage in Hill

Plant Ht.	Diseases H.O.	C.O.	WT	lf. Br.
41		mostly R	2	0
40		seg	3	T
38		seg	2	0
41		R	2	+
41		R	2	+
45		R	2	0-T seg
46		seg	1	0
42		mdR	1	+

217	28.9	1302
146	19.5	876
242	32.3	1452
300	40.0	1800
323	43.1	1938
273	36.4	1638
324	43.2	1944
250	33.3	1500

poor, disc.

very poor, disc
mode 3 ads

good med-grain

disc

good med-grain

Best BK type

good med-grain

Fairly good BK type

Only fair

Good BK grain type, some angu
in length

Ep texture

		1941 No.	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full	Hu
268	B324A4-5 RX5094	107	645	8/20	9/3	9/8	9/20	
269	B347B39-28 RXN	102	646	8/22	9/4		9/28	
270	B323A3-1-1-1 RXSBR	106	647	8/21	9/3		9/18	
271	B322B39-5 RXF	214	648	8/22	9/3		9/25	
272	B3313B39-9 RX7689	204	649	8/9	8/30	9/2	9/15	
273	B348B39-3 CAXN	231	650	9/8			10/8	
274	B354A1-14 SBRX7143	224	651	8/24	9/1		10/1	
275	B352A1-49 KXR	232	652	9/1	9/9		10/4	
276	Texas Patna RX5094	83-D	653	9/19	8/30	9/7	9/17	
277	Rexoro	87-D	654	8/28	9/10	9/18	10/3	

Plant Ht.	Diseases H.O.	C.O.	WT	Lf. Sp.
	20			0
46		—		0
50	15	—		0
48	15 R	—	tr	0-+ Seg.
47	15 R	— yellowing, ++ 8/16		0-+ Seg
45	20 R	—		0
50	15	— yellowing ++		+
50	15	Trace yellowing		T
47	10 R	+ 8/16		0
49	15			0
50	15			0

325	43.3	1950
342	45.6	2052
348	46.4	2088
400	53.3	2400
291	38.8	1746
469	62.5	2814
446	59.5	2676
356	47.5	2136
245	32.7	1470
451	60.1	2706

	Very good, stiff straw
poor grain texture, discard.	
good med-long slender-grain.	Very good
good xyl-med-grain type	good med-grain type agently as BK earlier than John Goodman
good long-slender grain type least a single plot	Very good, stiff straw
excellent quality, very slender-grain	good, short straw
excellent xyl. short-grain	Very late
only fair texture, prob. discard	V good short grain type Probably K x R cross.
good med-short-grain.	

			Head 1st Full	Ripe 1st Full	HV
278	B352A1-89 KxR	3102 655	8/24	9/7	9/28
279	B352A1-21-1-1 KxR	2721 656	9/1	9/9	10/1
280	B352A1-21-1-1 KxR	2722 657	9/1	9/9	10/1
281	B352A1-21-1-3 KxR	2727 658	9/24	8/31	9/26
282	B352A1-59 KxR	2751 659	8/20	9/6	9/22
283	B352A1-70 KxR	2763 660	8/21	9/1	9/22
284	B352A1-88-2-1 KxR	2773 661	9/20	8/31	9/22
285	B352A1-88-2-2 KxR	2775 662	9/8		10/10
~~286~~	~~Rexoro Off type~~ 4780-4784	663	8/21	8/30	9/1	9/17

maybe CI-4504 from Commercial seed

Plant Ht.	Diseases H.D.	C.D.	WT	Lf. Bl.
51	20	–		slight 0-T
48	15	–		0
49	20			0
47	10		Th	0
51	15	S		+
48	20 some yellowing 6/18			T
47	15			0
52	15			0
50	15			T scl

ge, very hard to thresh, stemmy

415	55.3	2490
376	50.1	2256
532	70.9	3192
441	58.8	2646
420	56.	2520
468	62.4	2808
367	48.9	2202
603	80.4	3618

poor texture

excellent quality, a rather short cyl. medium-grain type. — more uniform than 280. Very good med-grain type. Later

good med-long cyl.-grain type — latest,

Similar to 279 — earliest

very good cyl. med-grain. — Very good, rain shattering med grain type. Adv. excellent straw.

short-grain dull texture not more than a single — much more leaf drying than 282. A short-grain type

short med-grain type, not more than single — Very good med g. type

excellent quality short medium-grain — V. good med gr. type a little thin Ryan.

Not checked

Line through 1942 no - discard -

			Head 1st Full	Full Ripe	Plant Ht.	
~~2144~~	~~B2911A18-1-1-B-2~~					
	KxH ~~(37-32)~~ 64-2-1					
~~2145~~	B2911A18-1-1-F-1	2012	8/18	8/25	49	
	KxH ~~(37-32)~~ 62-1-1					Seg grain type good med maty
~~2146~~	B2911A18-1-1-H2	2014	8/22	8/28	46	
	KxH ~~(37-32)~~ 64-3-1					V. good, Uniform med-grain
2147	B2911A18-1-1-N1	2017	8/19	8/25	51	
	KxH ~~(37-32)~~ 64-5-1					Mid-grain - Uniform (good)
~~2148~~	B2911A18-1-1Sel.	2549	8/19	8/26	50	
	KxH ~~(37-32)~~ 62-2-1					
~~2148~~	"	2550	8/20	8/27	49	
	~~(37-32)~~ 62-3-1					
~~2150~~	Blue Rosock.					
2151	B2911A18-1-1	2551	8/19	8/26	48	
	~~(37-32)~~ 62-4-1					Very Uniform grain (med-)
~~2152~~	"	2584	8/15	8/22	50	
	~~(37-32)~~ 64-8-1					
2153	"	2585	8/14	8/21	52	
	~~(37-32)~~ 64-9-1					

not grown in 1943. see book I

90 Stand lodged				H.O.	C.O. WT	Leaf Rust Blighting
					no stand	?
87-3 lodged	487		5	R	1	0 Very good row by grain length
	64.9	2922				
83-0	310		15	Seg	0	0
	41.3	1860				
95-6	491		10	R	tr	0 Some mod susc to C.
	65.5	2946				
95-3	461		5	Seg	1	0
	61.5	2766				
83-3	415		5	Seg	1	0
	55.3	2490				
—	—		—		—	V
73-8	427		VRO Gen	R	tr	0 Creamy hulls also ten that did harvest don't run as good as some with R+R+R+R in 1943
	56.9	2562				
83-4	464 Planting		5	Seg	tr	0
	61.9	2784				
90-13	503		10	R	1	0
	67.1	3018				

			Head 1st Full	Full Ripe	Plant Ht.
2154	B2911A18-1-1	2586	8/20	8/28	54
	~~C2911A18-1-1~~ 64-1-1		fairly uniform length for length. Possibly some segregation for length & mostly a med grain		
2155	B2911A18-1-1-B2	2009	8/19	8/26	52
	~~C2911A18-1-1-B2~~ 64-2-2		Mostly a very good med-grain, few long-gr.		
2156	"	2009	8/20	8/28	51
	~~C2911A18-1-1-B2~~ 64-2-3		Seg grain length V good type		
2157	B2911A18-1-1-B1	2008	8/21	8/29	53
	~~C2911A18-1-1-B1~~ 64-1-1		Some seg for length; mostly a long-grain		
2158	B2911A18-1-1-B2	2009	8/20	8/27	52
	~~C2911A18-1-1-B2~~ 64-2-4		fairly uniform, long med-grain		
2159	B2911A18-1-1B1	2008	8/21	8/26	48
	~~C2911A18-1-1B1~~ 64-1-2		Segregating med & long-grain		
~~2160~~	Brick				
	~~C2854-3, CK~~ C2854-3 ck		8/21	8/28	52
			8/21	8/28	48
2161	B2911A18-1-1-F1	2012	8/20	8/27	49
	~~C2911A18-1-1-F1~~ 62-1-2		Very uniform med-grain V good		
2162	B2911A18-1-1-F1	2012	8/22	8/29	47
	62-1-3				
2163	B2911A18-1-1-H2	2014	8/22	8/29	46
	64-3-2		Small rubbed med-gr. Very good		K x H grain type a little plump

			Diseases			
			H.O.	C.O.	WT	Leaf Browning 7/18/42 ✓
90	750	15 good	R	Tr	0	Highly productive; Tall but much grain. Adv in 1943 Rapid repening (Combine type)
10	100.0-4500					
73	450	10	R	tr	0	
9	60-2700					
70	430	5	R	tr	0	
11	57.3-2580					
77	533	5	R	tr	0	Very good row good straw
9	71.1-3198					
73	457	5		1	0	
13	60.9-2742					
80	520	5		tr	0	border plot
28	69.3-3120					
						✓
83	520	5	R	0	0	stiff straw
17	69.3-3120					
83	367	10		big	0	
5	48.9-2202					
83	560	5	R	tr	0	stiff straw of 64 63×64 selection tr 2164
3	74.7-3360					

			Head 1st Full	Full Ripe	plant Ht.
2164	B2911A18-1-1-H1 (64-13-1)	2013	8/22	8/29	47
2165	B2911A18-1-1-H3 (64-4-1)	2015	8/20	8/27	57
~~2166~~	B2911A18-1-1, (62-5-1)	2018	8/20	8/27	49
~~2167~~	" (62-5-2)	2018	8/20	8/26	47
~~2168~~	" (64-6-1)	2019	8/21	8/27	50
~~2169~~	" (64-6-2)	2019	8/21	8/27	50
~~2170~~	Blue Rose, ck	84			
2171	B2911A18-1-1 (64-6-3)	2019	8/21	8/27	50
~~2172~~	" (62-2-2)	2549	8/21	8/28	48
~~2173~~	" (62-2-3)	2549	8/22	8/29	48

Stand	Ht	C.O. WT	Diseases Leaf Blight #1/18/42	
87 445	tr	R tr	0	stiff straw wet
5 59.3 -2670				
80 487	5	R tr	0	
18 64.9 -2922				
87 469	10	Seg tr	0	Halo R for Corn
5 62.5 -2814				
87 465	10	Seg tr	0	
12 62.0 -2790				
77% 322	10	R tr	0	
0 42.9 -1932				
87% Seg 409 grain seg th	10	R 0	0	
57.5 -2454				
			v	
87% 365	10	R tr	0	
0 48.7 -2190				
90% 477	10	seg 1	0	
0 63.6 -2862				
85% 386	10	seg tr	0	
0 51.5 -2316				

			Head 1st	Head Full	Full Ripe	Plant Ht.
~~2174~~	B2911A18-1-1 (62-2-4)	2549	8/20	8/28		50
	BK guard		8/20	8/27		50
~~2175~~	" (62-3-2)	2550	8/22	8/29		51
	BR.41 guard		8/20	8/26		50
~~2176~~	" (62-3-3)	2550	8/22	8/28		49
~~2177~~	" (62-3-4)	2550	8/22	8/28		48
~~2178~~	" (62-4-2)	2551	8/21	8/27		47
	very good med-grain type, uniform					
2179	" (62-4-3)	2551	8/22	8/28		48
	very good med-grain type uniform					
~~2180~~	C2854-3, BR.41, check	92	~~8/20~~			51
~~2181~~	B2911A18-1-1 (62-4-4)	2551	8/21	8/28		47
2182	" (64-7-1)	2581	8/20	8/26		50
	Excellent med grain type, uniform					
~~2183~~	" (64-8-2)	2584	8/19	8/25		52

Stand			Diseases HO	C.O	WT	Leaf 6/18/47 Browning
90	578		-3468	Seq	1	0
0	77.1					
90	462			Seq	1	0
3	61.6		-2772			
87	340		-2040	Seq	1	0
7	45.3					
90	367		-2202	Seq	1	0
8	48.9					
77	237		-1422	R	1	0
3	31.6					
87	317			R	1	0
4	42.3		-1902			
90	356			Seq	2	0
2	47.5		-2136			
87	341			R	1	T
9	45.5		-2046			
77	427			Seq	Tr	T
13	56.9		-2562			

2178-79-81 are all green
has developing on 195. 2179 is
pink the rest of the three

Increase one of these

			Head 1st	Head Full	Full Ripe	Plant Ht
~~2184~~	B2911A18-1-1 (64-8-3)	2584	8/18	8/24		52
~~2185~~	" (64-9-2)	2585	8/17	8/23		53
		good med.-grain type, uniform				
~~2186~~	" (64-9-3)	2585	8/18	8/24		48
2187	" (64-9-4)	2585	8/17	8/24		50
		good med.-grain type, uniform				
~~2188~~	" (64-10-2)	2586	8/20	8/26		51
		almost a Zenith grain type, V. very uniform.				
2189	" (64-10-3)	2586	8/21	8/27		51
		similar to 2188, possibly a little longer grain				
Put line following 2195 here						
~~2190~~	Blue Rose CK	84		8/20		50
~~2191~~	B2911A18-1-1 (64-10-4)	2586	8/20	8/27		51
2192	B2911A18-1-1-D (64-11-1)	4122	8/23	8/29		50
		V. very uniform med.-grain, sl. flat like Zenith & KxH.				
~~2193~~	B2911A18-1-1 (64-12-1)	191	8/23	8/28		51

Stand			Diseases H.O	C.O.	WT	Leaf	Shattering
90	396		15	Leq	tr	0	
25	52.8	-2376					
77	309		15	R	2	0	√ good straw
10	41.2	-1854					
90	365		15	Leq	2	T	
11	48.7	2190					
80	311		10	R	tr	0	√ good straw
3	41.5	-1866					
90	447		15	R	1	0	
11	59.6	2682					
90	466		15	R	tr	0	
13	62.1	2796					
—	—	—	—	—	—	—	—
87	366		10	R	tr	0	
20	48.8	2196					
87	330		10	R	tr	0	Very good straw
5	44.0	1980					
83	306		15	Leq	tr	0	
8	40.8	1836					

75

40 (K x H) x BR bela. saved.

11 " x " saved from repl test.

51

16 K x H's saved

			Head 1st	Head Full	Full Ripe	plant Ht.
2194	B2911A18-1-1 (64-12-2)	191	8/23	8/30		52

long med. grain type, sl flat, possibly a little segregation

~~2195~~	(64-12-3)	191	8/19	8/28		50
(2190)	BR check					50

longer grain than 2194

Start of F5 lines of (K x H) x Blue Rose:

K x H line used in Cross 3710A is from 64

~~2196~~	B710A1-3 (K x H) x BR	3351	8/23	8/29	9/21	51
adv 2197	"	3351	8/23	8/29	9/21	51
~~2198~~	"	3351	8/23	8/28	9/21	52
adv 2199	"	3352	8/22	8/27	9/20	48

grain very little shorter than 3351 lines

~~2200~~	C2854-3 BR-41	92	8/19	8/26	9/19	45
~~2201~~	3710A1-3	3352	8/23	8/28	9/20	48
2202	3710A1-4	3353	8/16	8/23	9/17	48
~~2203~~	"	2088	8/17	8/24	9/17	47

no WT unless otherwise noted

90 stand	plot grams per	plot grams	Diseases H.O	C.O.	WT.	Leaf 6/18/42 Browning	
83	340		20	R	Pk	-	
6	45.3	2040					
83	362		15	R	tr	0	/ W for leaves
12	48.3	2172					
line, (1937 row		3264					all three lines from 3351 look alike, are very heavy stuff strained lines, has a large grain.
87%	360		10	R	0	0	
	48.0						
ng for grain length		- 2160					
87%	518		15	R	tr	0	prob most uniform
	69.1	- 3108					
80%	426		10	R	0	0	
	56.8	2556					
80%	345		10	R	0	0	2199+2201 are similar as slightly than 3351 lines possibly a bit the grain types are shorter than 3351 lines but still taller than 2158 W
	46.0	2070					
90%	319		10	R	0	+	
4	42.5	1914					
100%	431		5	R	tr	0	
	57.5						
Smut sme		2586					
							Cry hulls pl taller than 2203 & better looking row
90%	322		5	R	0	0	
	42.9	1932					
83%	263		tr	hyp	0	0	
2	35.1	1578					

			Head 1st Full	Full Ripe	Plant Ht
2204	3710A1-4	2088	8/15	8/22	9/16	47
2205	3710A1-6	2091	8/18	8/25	9/17	45
2206	"	2091	8/17	8/23	9/17	45
2207	"	3355	8/15	8/22	9/16	46
2208	3710A1-7-1	3357	8/17	8/25	9/17	50
2209	"	3357	8/15	8/22	9/17	49
2210	Bl. Rose, ck.	84	8/18	8/24	9/19	47
2211	3710A1-7-1	3357	8/18	8/25	9/18	48
2212	"	3357	8/18	8/24	9/19	48
2213	3710A1-9	3358	8/19	8/25	9/19	47

Are mixed

Diseases

			HO	CO	WT	Leaf 6/18/42 Browning	
							220 3+220 4 are very similar except for aberration
90%	327		5	R	0	0	
	43.6	1962					
73%	310		5	R	0	0	2205+06 are slightly better than A1-4 lying, about like SK. stopped out bitter too. a smaller grain than A1-4
	41.3	1860					
90%	298		10	R	tr	0	
	39.7	1788					
87%	267		10	R	0	0	Very similar to 2205.6
	35.6	1602					
	161		10	beg tr	0		more drying than A1-6's
	21.5	966					
	131		10	beg 0	slt?	Hot 8/4	similar to 2208
	17.5	786					
87%	300		10	S	tr	+	
9	40.0	1800	seamid abadly				
90%	258		15	R mst	0	0	similar to 2208
6	34.4	1548	8 mid S plants				
95%	315		15	beg	0	0 tr on 7/14	similar to 2208
12	42.0	1890					
90%	365		10	beg	0	0	
14	48.7	2190					

			Head 1st Full	Head Full Ripe	plant Ht.
~~2214~~	3710 A1-9	3358	8/19	8/25	9/19	47
~~2215~~	"	3358	8/18	8/25	9/19	46
~~2216~~	"A1-9-2-1	3359	8/21	8/27	9/19	49
~~2217~~	" 2-2	3359	8/20	8/26	9/19	47
~~2218~~	" 2-3	3359	8/20	8/27	9/19	48
~~2219~~	" 2-4	3359	8/21	8/27	9/19	46
~~2220~~	BR-41(92543)	92	8/20	8/25	9/19	44
~~2221~~	3710A1-9 2-5	3359	8/17	8/27	9/10	47
~~2222~~	" 1-9-3-1	3361	8/17	8/23	9/18	47
~~2223~~	" 3-2	3361	8/18	8/24	9/18	47

			Diseases H.O.	C.O.	WT	Leaf 6/8/42 Browning	
							2213, 14, and 15 are all very much alike
77%	299		10	Ligh	tr	0	
10	29.9	1794					
87%	343		5	Ligh	tr	0	
9	45.7	2058					
90%	315		5	R.	tr	0	2216+18 and very much alike
4	42.0	1890					
83%	277		5	R.	tr	0	poor grain shape, seg cymbulla similar to 2219 possibly lighter than 2219 are all shorter than 16+18
5 seg or	Ligh	36.9	1662				
95%	339		10	R	tr	0	
2 seg or	Ligh	45.2	2034				
87%	307		5	R.	tr	0	cy bulla better grain type than 2217
3	40.9	1842					
77%	216		5	R	0	+	
3	28.8	1296					
90%	300		5	R.	tr	0	similar to 16+18. Very good
	40	1800					
85%	312		1872 5	R	Tr	0	alt on 7/15
	41.6						
75%	127		10	Leg	l	0	
7	16.9	762					

			Head 1st Full	Full Ripe	Plant Ht
~~2224~~	3710A1-9-3	3361	8/18	9/24	9/18	48
~~2225~~	" 3-4	3361	8/19	9/25	9/18	47
~~2226~~	" 4-1	2093	8/22	9/27	9/20	48
~~2227~~	" 4-2	2093	8/21	9/26	9/20	48
~~2228~~	" 4-3	2093	8/21	8/26	9/20	49
2229	" A1-9-4	2093	8/22	9/27	9/20	49
~~2230~~	Blue Rose, ck	84	8/18	8/25	9/19	46
~~2231~~	3710A1-10	3363	8/14	8/20	9/15	47
2232	"	3363	8/14	8/21	9/15	47
~~2233~~	"	3363	8/14	8/21	9/15	48

Diseases

			H.O.	C.O.	WT	Leaf 6/18/42 Browning	
85%	325		5	R	tr	0	2222-2225 are all very uniform & much alike. V. good. 2224 prob. the best looking row all have rather dry husk color. 2224 more lay. than others
4	43.3	1950					
85%	352		5	dry	0	0	
9	46.9						
leaning		2112					
77%	213		5	R	tr	0	2226-29 are all quite similar. 2229 prob best looking. Has the most uniform grain also. others sig.
4	28.4	-1278					
70%	276		5	R	tr	0	
12	36.8	1656					
80%	266		5	R	tr	0	
4	35.5	1596					
90%	346		5M	susc			
			5	R	tr	0	
8	46.1	2076					
66%	226		5	S	tr	+	
6	30.1 leaning	1356					
83%	282		10	dry	tr	0	2231-3 are all very similar. Dry husks. could use 7/13 to husk.
4	37.6	1692					
90%	292		10	dry	0	0	
	38.9	1752					
80%	270		5	dry	tr	0	
	36.0	1620					

			Head 1st Full	Full Ripe	Plant Ht.
2234	3710A1-11	2095	8/18	8/25	9/18	47
		mostly a long-grain type some ears for med-grain				
~~2235~~	"	3364	8/22	8/27	9/18	43
~~2236~~	3710A1-12	3366	8/22	8/28	9/19	43
~~2237~~	"	3367	8/20	8/25	9/18	46
~~2238~~	3710A1-13	3368	8/19	8/24	9/17	46
~~2239~~	"	3368	8/18	8/25	9/16	45
~~2240~~	C2854-3, BR-41	92	8/20	8/26	9/19	45
~~2241~~	3710A1-13	3368	8/19	8/25	9/17	45
~~2242~~	"	3368	8/16	8/23	9/17	46
~~2243~~	3710A1-14	3369	8/19	8/25	9/18	47

				Diseases		
				H0	CO	WT	Leaf 6/8/42 Browning
73%	206		5	R	I	0 very good, Uniform
	drawn very green		clean			
	27.5	1236				
95%	208		5	R	tr	0 Very poor, disc.
	27.7	1248				
70%	156		5	Leg	tr	0 very poor, disc.
	20.8	936				
83%	277		5	Leg	tr	0 good
	36.9	1662				
80%	266		5	Leg	tr	0 V. good, Cry. bulbs
3	35.5	1596				
73%	176		5	Leg	I	0 differs from 2238
7	23.5	1056				
70%	222		5	A	0	+
4	29.6	1332				
73%	217		5	Leg	tr	0 Similar to 2239
	28.9	1302				
80%	275		5	Leg	tr	0 Similar to 2238
4	36.7	1650				
83%	228		10	Leg	tr	0 Similar to 2242
4	30.4	1368				

			Head 1st	Head Full	Full Ripe	Plant Ht.
~~2244~~	3710AI-15	3370	8/18	8/23	9/18	46
~~2245~~	"	3370	8/16	8/23	9/18	46
~~2246~~	"	3370	8/17	8/24	9/18	47
~~2247~~	"	3371	8/20	8/26	9/18	48
add ~~2248~~	"	3371	8/17	8/24	9/18	47
~~2249~~	"	3372	8/19	8/25	9/18	48
~~2250~~	Blue Rose, ck	84	8/21	8/26	9/19	42
~~2251~~	3710AI-15	3372	8/16	8/22	9/18	47
~~2252~~	"	3373	8/19	8/24	9/18	46
~~2253~~	"	3373	8/16	8/22	9/18	45

			Diseases		
		H.O.	C.O.	WT	Weaf 6/18/44 Browning
69%	161	S	R	tr	Strom 7/14 WL 3 mos (2244-46)
2	21.5	966			similar to 2243
80%	254	S	R	tr	0
5	33.9	1524			
60%	183	S	R	tr	0
	24.4	1098			
83%	250	S	R	0	tr seg
	33.3	1500			
87%	430	S	R	1	0 Exceptionally good Adv
3	57.3	2580			
90%	276	S	R	2	0
	36.8	1656			
87%	200	S	S	1	+
7	26.7 leaning	1200			
80%	258	S	R	1	0
	34.4	1548			
90%	227	S/S	Sig	tr	0
	30.3	1362			
90%	202	S	R	2	0
9	26.9	1212			

			Head 1st Full	Full Ripe	Plant Ht.
2254	3710A1-15	3374	8/19	8/25	9/18	49
~~2255~~	"	3374	8/18	8/24	9/18	49
~~2256~~ Probably mixed with one next to 149	"	2097	8/16	8/22	9/18	46
~~2257~~	"	2097	8/16	9/23	9/18	46
~~2258~~	"	2097	8/19	8/25	9/18	45
~~2259~~	3710A1-16	3375	8/15	8/20	9/16	47
~~2260~~	C2854-3, BR-41	92	8/19	8/24	9/19	44
2261	3710A1-16	3375	8/15	8/20	9/16	47
~~2262~~	"	3375	8/18	8/25	9/17	45
~~2263~~	"	2099	8/11	8/23	9/16	44

				Diseases			
							Leaf 6/8/44 Browning
			No	Co	WT	tr 6/8/44	
							Taller than others A1-15
87%	359		5	R	1		
12	47.9	2154				0	Taller than other A1-15's
83%	285		5	R	tr		
6	38.0	1710			Taller than others	0	
83%	221		5	R	1.	0-tr Sey	
5	29.5	1326					
83%	282		5	R	2	0-tr Sey	
3	37.6	1692					
63%	213		5	R	tr	0	
9	28.4	1278					
	223		5	Sey	tr	0	
	29.7	1338					
77%	270		5	R	0	+	
	36.0	1620					
70%	259		5	R	tr	0	Bust 9 3375 lines
9	34.5	1554					
73%	225		5	Sey	tr	0-+ Sey	prone to 3375 lines
	30.0	1350					
87%	200		5	Sey	tr	0	cy hulls, only fair
	26.7	1200					

			Head 1st Full	Full Ripe	Plant Ht
~~2264~~	3710A1-16	3378	8/17	8/25	9/16	44
~~2265~~	3710A1-18	3378	8/16	8/24	9/16	47
2266	"	3378	8/18	8/25	9/16	46
~~2267~~	3710A1-18	2101	8/20	8/26	9/19	45
~~2268~~	"	3379	8/18	8/24	9/18	44
~~2269~~	3710A1-20	3385	8/16	8/24	9/16	47
~~2270~~	Blue Rose, ck	84	8/21	8/26	9/19	43
~~2271~~	3710A1-19,	3384	8/17	8/24	9/17	44
~~2272~~	"	3382	8/15	8/22	9/17	46
~~2273~~	"	3382	8/16	8/23	9/17	44

			Diseases			
		H.O	C.O.	WT	Leaf 6/18/47 Browning	
87%	206	5	R	O	O	2264-6 are very similar could be butterfly. all have Cry bulbs.
	27.5	1236				
90%	270	5	R	tr	O-tr Seg	
4	36	1620				
80%	302	5	R	tr	O-tr Seg	
	40.3	1812				
87%	221	5	R	tr	O.	2o similar to 2268. Both mediocre
	29.5	1326				
80%	189	5	R	tr	O	
	25.2	1134				
80%	255	5	R	T	O	Cry bulbs, very good.
4	34	1530				
77%	236	5	S	tr	+	
	31.5	1416				
4	leaning badly					
73%	217	5	R	T	O	2271-73 are all very much alike, stiff stem stiff-necked pansies.
	28.9	1302				
	255	10	Seg	2	O-T Seg	
	34.0	1530				
90%	271	tr	R	O	O	
6	37.1	1626				

			Head 1st	Head Full	Full Ripe	Plant Ht.
~~2274~~	3710A1-20	2102	8/20	8/26	9/18	46
2275	"	2102	8/20	8/26	9/18	47
~~2276~~	"	2102	8/22	8/26	9/18	47
~~2277~~	"	3385	8/18	8/25	9/17	46
~~2278~~	"	3385	8/17	8/25	9/17	46
~~2279~~	3710A1-21	3386	8/16	8/23	9/17	45
~~2280~~	C2854-3, BR-41	92	8/20	8/25	9/19	43
~~2281~~	3710A1-21	3386	8/16	8/24	9/17	46
~~2282~~	"	3387	8/16	8/25	9/18	48
~~2283~~	"	3388	8/19	8/26	9/18	48

			Diseases			
		H.O.	C.O.	WT	Leaf 6/28/42 Browning	
90%	279		8 Spec tr		0	2274-6 are all very similar seg for ag hull colors otherwise much like 2269
8	37.2	1674				
90%	350	10	R	tr	0-tr seg	good row
6	46.7	2100				
83%	284	10	R	tr	0-tr	
8	37.9	1704				
87%	299	5	R	t	0-tr seg	2277-8 are very similar and like 2279. ag hull colors could hulk all A1-20 lines that are R for C.O.
17	39.9	1794				
87%	350	10	R	tr	0-tr seg	
17	46.7	2100				
87%	296	5	Seg	tr	0-+ seg	2279-81 are much alike
16	39.5	1776				
80%	200	5	R	0	+	
11	26.7	1200				
87%	275	5	Seg	1	0-tr seg	
17	36.7	1650				
90%	260	5	Seg	tr	0	
20	34.7	1560				
87%	266	10	Seg	tr	0-+ seg	
8	35.5	1596				

			Head 1st Full	Full Ripe	Plant Ht
~~2284~~	3710A1-21	3388	8/19	8/26	9/19	48
~~2285~~	"	3388	8/19	8/27	9/19	47
~~2286~~	"	3388	8/20	8/27	9/19	48
Annual 2287	3710A1-22	3390	8/15	8/23	9/16	48
~~2288~~	"	3390	8/17	8/25	9/17	47
~~2289~~	"	3390	8/16	8/23	9/17	48
~~2290~~	Blue Rose, ck	84	8/20	8/26	9/19	47
~~2291~~	3710A1-22	3391	8/16	8/23	9/18	48
~~2292~~	"	3391	8/17	8/24	9/18	48
~~2293~~	"	3391	8/17	8/24	9/18	48

Stand %			Diseases H.O.	C.O.	WT	Leaf 6/18/42 Browning	
9	322		10				2283-86 are all very similar native tall with a drooping panicle and not equal to A1-15 lines
	9 42.9	1932	+	Leg	tr	o-+ seg	
90	227		5				
	3 30.3	1362	+	Leg	1	o-+ seg	
87	261		10				
	6 34.8	1566		Leg	tr	o-+ seg	
87	298		15				Blotch on Leaves, good but not the equal of A1-15, leaning also
	8 39.7	1788		R	1	o 7/14	
90	279		10				
	16 37.2	1674		Leg	1	o	
87	291		10				
	20 38.8	1746		Leg	tr	o 1pl on 7/14	
87	294		10				
	26 broken, add to this row	39.2 1764		S	2	+	
90	301		10				A1-27 is a better tall
	7 40.1	1806		Leg	1	o	
90	251		5				
	10 33.5	1506		Leg	tr	o	
95	247		5				
	12 32.9	1482		Leg	tr	o	

			Head 1st	Head Full	Full Ripe	Plant Ht.
~~2294~~	3710A1-22	3392	8/18	8/25	9/18	50
~~2295~~	"	3392	8/17	8/24	9/18	49
2296	"	3392	8/18	8/25	9/18	50
~~2297~~	"	3392	8/18	8/25	9/18	50
~~2298~~	"	3392	8/18	8/24	9/18	50
dlw 2299	"	3393	8/16	8/22	9/15	47
~~2300~~	C2854-3, BR-41	92	8/19	8/25	9/19	46
~~2301~~	3710A1-22,	3394	8/17	8/24	9/17	49
~~2302~~	"	3394	8/17	8/24	9/17	49
2303	"	3394	8/17	8/24	9/17	50

				Diseases		
		N.O.	C.O. WT.		Leaf 6/18/40 Browning	
95	345	10	2070	Leg Tr	0	
13	46.0					
95	257	5	1542	Leg Tr	0	
6	34.3					
95	401	10	2406	R Tr	0	very good row, Tall last standing up well.
3	53.5					
95	394	10	2364	Leg Tr	0	very similar to 2296
3	52.5					
87	338	10	2028	Leg Tr	0	similar to 2297
4	45.1					
83	229	10	1374	R 1	0	Very much like BR-41 except longer heads and taller, and earliest in test Lacs for grow here would ones showed to plant a BR- Prob not so prod. as many others
5	30.5					
90	365	10	2190	R 0	+	
1	48.7					
95	324	10	1944	R 1	0	Very good, all 324 lines are very similar. are all taller and later than 2299 and prob. more productive
2	43.2					
90	331	5	1986	Leg Tr	0	1 pl 6m 7/14
2	44.1					
90	348	5	2088	R 1	0	
0	46.4					

			Head 1st Full	Full Ripe	Plant Ht.
~~2304~~	3710A1-22	3394	8/19	8/26	9/19	50
~~2305~~	"	3394	8/18	8/25	9/19	50
~~2306~~	"	2104	8/16	8/22	9/17	48
2307	"	2104	8/15	8/21	9/17	48
~~2308~~	"	2104	8/16	8/23	9/17	47
~~2309~~	"	2104	8/17	8/24	9/17	46
~~2310~~	Blue Rose, ck,	84	8/19	8/24	9/18	45
~~2311~~	3710A1-23	3395	8/18	8/24	9/18	47
~~2312~~	"	3395	8/20	8/25	9/18	47
~~2313~~	"	3395	8/20	8/25	9/19	47

			Diseases		
		N.O.	C.O.	WT	Leaf 6/18/42 Browning
83	280	15	R	T	0-t seg
3	37.3	1680			
87	339	5	Leuctn		0
11	45.2	2034			
87	306	10	R	tn	0
4	40.8	1836			
90	313	5	R	0	0
6	41.7	1878			
87	330	5	R	0	0
4	44	1980			
83	281	10	R	tn	0
5	37.5				
		1686			
87	272	5	S	I	+
13	36.3	1632			
90	316	10	R	tn	0-tn seg
15	42.1				
		1896			
90	360	10	R	0	0-+ seg
15	48.0	2160			
83	298	10	R	I	0-+ seg
14	39.7	1788			

all 3394 rows are very similar (except 2305) are only sl. taller than BK-41; have better leaves. Very promising

2306-7-8+9 all look alike. are very good except 2307 has any bulbs others are promising

			Head 1st	Head Full	Full Ripe	
2314	3710A1-23	3396	8/20	8/25	9/19	47
~~2315~~	"	3396	8/21	8/25	9/19	46
~~2316~~	"	3397	8/22	8/27	9/19	47
~~2317~~	"	3397	8/22	8/27	9/19	46
~~2318~~	"	3397	8/21	8/26	9/19	46
~~2319~~	"	3397	8/20	8/25	9/19	47
~~2320~~	C2854-3, BR-41	92	8/19	8/24	9/18	45
~~2321~~	3710A1-23	3397	8/22	8/29	9/20	47
~~2322~~	"	3397	8/22	8/29	9/20	46
~~2323~~	"	3399	8/22	8/29	9/19	45

BWA

			Diseases		
stand					Leaf 6/18/47 Browning
		H.O.	C.O.	WT	
83	359	tr	R	O	O-tr seg
4	47.9	2154			
60	188	10	beg	tr	O-+ seg
3	25.1	1128			several shot at transplants
90	387	5	beg	tr	O-tr seg
7	51.6	2322			
87	312	10	R	tr	O-+ seg
15	41.6	1872			
90	349	10	beg	tr	O-+ seg
8	46.5	2094			
83	325	10	R	1	O-+ seg
7	43.3	1950			
83	315	5	R	O	+
6	42.0	1890			
87	298	5	beg	tr	+ good row
1	39.7	1788			
60	217	5	beg	tr	+
	28.9	1302			
83	171	10	beg	1	+ much stubby
2	22.8	1026			

Tubers 5" above soil on quantum good. Tops and soil look alike

			Head 1st	Head Full	Full Ripe	Plant Ht.
~~2324~~	3710A1-23	3401	8/17	8/23	9/17	46
2325	"	3401	8/17	8/23	9/16	45
~~2326~~	"	3401	8/18	8/24	9/18	46
~~2327~~	"	3401	8/18	8/23	9/17	45
~~2328~~	"	3401	8/18	8/23	9/18	45
~~2329~~	"	3401	8/17	8/22	9/18	44
~~2330~~	Blue Rose, ck	84	8/20	8/25	9/19	43
~~2331~~	3710A1-23	3402	8/22	8/28	9/19	44
~~2332~~	"	3402	8/22	8/28	9/20	44
~~2333~~	"	3402	8/22	8/29	9/20	43

Diseased

			HO.	C.O.	WT	Leaf 6/18/14 Browning	
90	280		5	Leg	1	+	
6	37.3	1680					
87	302		5	R	tr	tr	Best looking (3401) line cry kulki
5	40.3	1812					
87	374		5	Leg	tr	T 0-Tr seg	
3	49.9	2244					
87	284		5	Leg	tr	+	good looking similar to 2325
6	37.9	1704					
83	292		5	Leg	tr	0-+ seg	
2	38.9	1752					
90	298		5	Leg	tr	+	
5	39.7	1788					
83	248		5	S	2	+	
4	33.1	1488					
73	163		10	Leg	1	+	
0	21.7	978					
83	235		10	R	tr	+	Better than 2325 similar type plant
1	31.3	1410					
80	200		10	R	tr	+	
2	26.7	1200					

			~~Head~~ Head 1st Full	Full Ripe	Plant Ht.
~~2334~~	3710A1-23	3402	8/22	8/29	9/20	43
~~2335~~	"	3402	8/22	8/28	9/20	42
~~2336~~	3710A1-24	3405	7/31 Seg 8/5	8/27	9/17	46
~~2337~~	"	3405	8/16 Seg	8/27	9/17	41
~~2338~~	"	3406	8/20	8/26	9/18	43
~~2339~~	"	3407	8/21	8/27	9/18	45
~~2340~~	C2854-3, BR-41	92	8/19	8/25	9/19	44
~~2341~~	3710A1-25	3407	8/20	8/26	9/18	44
~~2342~~	"	3407	8/21	8/27	9/18	45
~~2343~~	"	3407	8/20	8/27	9/18	44

Diseases

			H.O.	C.O. WT	Leaf 6/18/14 Browning
73	192		5	Leg tr.	+ disc
4	25.6	1152			
70	190		10	Leg tr	+ disc
5	25.3	1140			
81	272		5	R tr	+ disc
0	36.3	1632			
	not tr		5	R 2	+ disc
	not tr		5	R 2	+ disc
	not tr		15	R tr	0-T Sey disc
83	194		5	R. 0	+
2	25.9	1164			
67	156		5	R tr	0 disc
1	20.8	936			
87	194		10	Leg tr	0-T Sey disc
3	25.9	1164			
77	180		10	Leg tr.	0 disc
2	24.0	1080			

start of 3712A Lines [F5 (K x H) x BR.]

			Head 1st Full	Head Full	Plant Ripe	Ht.
K x H line used in 3712A cross is from						
~~2344~~	3712A1-4	3416	8/19	8/25	9/15	46
~~2345~~	"	3446	8/17	8/23	9/14	48
2346	3712A1-6	3417	8/17	8/24	9/15	47
2347	3712A1-7-2	3422	8/17	8/22	9/17	46
~~2348~~	"	3422	8/17	8/22	9/16	45
2349	"	3422	8/18	8/23	9/18	48
~~2350~~	Blue Rose, ck	84	8/18	8/24	9/19	48
~~2351~~	3712A1-7-3	3423	8/17	8/24	9/18	48
2352	"	3423	8/18	8/25	9/18	47
~~2353~~	"	3424	8/16	8/22	9/18	46

			Diseases			
			H.D.	C.O.	WT	Leaf 4/18/ Browning
937	now 3265		(not K x H lines used from this)			
73	352		4	R	1	o-Tr Seg shorter than 45 below
4	46.9	2112				
67	377		5	R	1+	Tr upend like K x H.
11	50.3	2262				
87	335		5	R	tr	o Very good, uniform
2	44.7	2010				
87	357		5	R	tr	o-tr Seg Similar to 2349 are slightly taller
6	47.6	2142				
83	276		5	R	tr	o-+ Seg shorter than others
0	36.8	1656				
83	324		5	R	tr	o o-tr on 7/14
1	43.2	1944				
87	364		5	S	tr	+
3	48.5	2184				
87	329		5	R	tr	o-+ Seg
3	43.9	1974				
90	394		10	R	tr	o-+ Seg
1	62.5	2364				
80	350		5	Seg	tr	o-+ Seg Similar to 2354 to 57 Better than 2352
1	46.7	2100				

Somewhat taller and more upright than 2357

			Head 1st	Head Full	Full Ripe	Plant Ht.
~~2354~~	3712A1-7	2114	8/18	8/25	9/18	46
2355	"	2114	8/18	8/26	9/18	45
~~2356~~	"	2114	8/18	8/26	9/18	46
~~2357~~	"	2114	8/18	8/26	9/18	46
~~2358~~	3712A1-8	3425	8/16	8/22	9/17	46
2359	3712A1-12	3427	8/15	8/21	9/16	50
~~2360~~	C.2854-3, BR-41	92	8/18	8/25	9/19	48
~~2361~~	3712A1-13	3429	8/17	8/25	9/16	50
~~2362~~	"	3429	8/16	8/23	9/15	52
~~2363~~	"	3429	8/16	8/20	9/15	50

Single row seg. grain length

Diseases

			H.O.	C.O.	WT	Leaf 7/18/14 Browning
	332		5	Leg tr		o-+ seg
	44.3		1992			
87	400		5	R	tr	o-+ seg very good
	o53.3		2400			
87	340		5	Leg	tr	+
	o45.3		2040			
86	259		10	R	tr	tr
	534.5		1554			
83	297		10	R	1	o-tr seg
	339.6		1782			
87	390		10	Leg	tr	tr Uniform tall very dk green
	✗52.0		2340			
83	320		10	R	o	+
	542.7		1920			
90	364		10	R	tr	tr not as tall as other hills
	48.5		2184			Blister on 7/14
running 9	cobs, dirging					
87	395		10	R	1	tr very tall, flat grain standing well
	152.7		2390			
87	396		10	R	2	o tall, flat grain
	252.8		2376			

			Head 1st	Head Full	Full Ripe	Plant Ht.
2364	3712A1-15,	3430 seg. for grain length	8/15	8/24	9/15	44
2365	" most uniform grain type	3430	8/18	8/25	9/18	44
2366	"	3430 seg. for grain length	8/17	8/23	9/17	45
~~2367~~	"	3431	8/15	8/21	9/15	45
2368	3712A1-16	3432 seg. for grain length	8/15	8/20	9/15	47
~~2369~~	3712A1-16	3432	8/16	8/21	9/16	45
~~2370~~	Blue Rose, ck.	84	8/18	8/25	9/19	46
~~2371~~	3712A1-16	3432	8/16	8/21	9/15	46
2372	3712A1-18	3434 very good medium grain	8/16	8/24	9/17	46
~~2373~~	"	3434	8/17	8/26	9/17	46

			Disease			
						Leaf 6/18/47 Browning
		HO	C.O	WT		
83	410	.5	R	tr	0-tr seg	Earlier than others
0	54.7	2460				standing of a well
87	401	2406	R	tr	0	11 later than 2366
0	2a best A1-15 here					select for best grain type
	53.5					
83	427	tr	R	tr	0	2a very good, uniform ht
3	56.9	2562				select for best grain type
80	309	5	seg	1	0	
3	41.2	1854				
77	414	15	R	tr	+ seg	
3	55.2	2484				
77	363	5	R	0	+	
6	48.4	2178				
83	392	5	S	1	+	Badly diseased by C.O on 9/16.
7	52.3	2352				
80	367	tr	R	tr	+	
4	48.9	2202				
63	373	5	R	tr	0	v stiff straw, next row
0	49.7	2238			0+ on 7/14	
70	337	5	R	tr	0	
0	44.9	2022				

			Head 1st	Head Full	Full Ripe	Plant Ht.
Kingle						
2374	3712A1-19	2115	8/17	8/27	9/19	47
			seg. for grain kingle			
~~2375~~	"	2115	8/18	8/26	9/19	46
~~2376~~	3712A1-20	3437	8/14	8/19	9/18	42
~~2377~~	"	3438	8/19	8/26	9/17	39
Kingle						
2378	"	3439	8/18	8/25	9/15	41
			seg for grain kingle			
~~2379~~	3712A1-21	3441	8/16	8/24	9/17	46
~~2380~~	C2854-3, BR41	92	8/19	8/26	9/19	45
~~2381~~	3712A1-21,	3441	8/17	8/24	9/18	47
2382	"	3441	8/18	8/25	9/18	47
			very good medium grain			
~~2383~~	"	3442	8/15	9/21	9/16	46

			Diseases			
			H.C.	C.C.	WT	Leaf 6/18/42 Browning
87	438	10	R	Str	O	M tall & irregular hit.
2	58.4	2628				V. good.
90	367	5	Seg	Str	O	Better than 74.
1	48.9	2202				Very uniform hit.
60	220	10	R	Str	O-Tr	Very similar to 78
1	29.3	1320				
83	243	10	R	Str	O-Tr	Does off-type
2	32.4	1458				
87	292	5	R	Str	Slip	Cry bulls, dropping poor
3	38.9	1752				V. uniform hit.
83	255	5	R	Str	O	Similar to 81+82
9	34.0	1530				
70	250	5	R	O	+	
9	33.3	1500				
90	290	5	R	Str	O	
11	38.7	1740				
90	336	5	R	Str	O	Similar to 87 & 74
7	44.8	2016				
90	319	5	R	Str	O	V. uniform hit.
7	42.5	1914				

			Head 1st	Full	Full Ripe	Plant Ht.
~~2384~~	37/2A1-21	2117	8/15	8/21	9/17	49
Awnless 2385	"	2117 seg for grain length	9/18	8/26	9/18	48
Awnless 2386	37/2A1-24	3446	8/17	8/25	9/17	43
~~2387~~	37/2A1-25	3447	8/19	8/27	9/18	42

1-70
LI-15A

1-70
2-15A KRN

Diseases

				H.O.	CO	WT	Leaf 6/18/70 Browning	
90	398	very dry	10	R	th	0		top for K x H ripening last (rapid)
14	53.1	2388						
90	432		10	R	1	0		
11	57.6	2592						1 non-hood plant
87	299		10	R	th	0		few stray bulls any bulls, V. good
4	39.9	1794						
—	—		th	R	1	+		short poor

Grid
all figures in
repl. stems checked.

Source-Seed
Seeding Order

		Head		Ripe		
		1st	Full	1st	Full	Hv
Caloro	31	8/5	8/13		9/4	
TS-19799	43	8/6	8/13			
CI-1561-1		8/6			9/4	
Date Seeding 4/1						
Zenith	32	7/31	8/9	8/15	8/30	
CI-7787	40	7/31	8/10	8/16	8/30	
		7/31			8/30	
Date Seeding 4/1						
Lady Wright	33	7/29	8/11	9/22	9/1	
TS-19803	46	7/28	8/12	9/23	9/1	
CI-5451		7/29			9/1	
Date Seeding 4/1						
B2913A29-1-1-1	34	7/17	8/1	8/13	8/26	
COxBR	39	7/15	8/1	8/12	8/26	
		7/16			8/26	
Date Seeding 4/1						
C283A9-6-1-2	35	8/4	8/14		9/1	
ExF	42	8/4	8/14		9/1	
		8/4			9/1	
Date Seeding 4/1						

Total yield pounds per 4 plots
21.51 = yield in pounds per Acre
pounds per acre ÷ 45 = bu per acre
lots are 5.33 x 95 feet or 1/86A.

Plot No.	Lodging	Diseases H.O.	C.O.	INT	Lf. Br.
38				1	0
39				2	0
36					
35					
(37)					
38				2	tt
37				1	tt
38					
36					
(37)					
39				2	o-tr
43				1	o-tr
40					
38					
(40)					
34	consumable			1	0
35	bad			1	0
36	bad in place				
33	"				
(35)					
40				0	tr
42				0	tr
41					
41					
(41)					

Calco Series C sprayed with Naph-Acetic 600 ppm. on 7/29 - West 16 ft of 2 center rows of plot. no effect

No. per plot	acre	
	Bu	pounds
22.5		
25.8		
21.8		
21.0		(1)
91.1	43.6	1960
19.0		
20.5		
21.8		
18.8		(5)
80.1	38.3	1723
17.0		
21.0		
17.8		
13.5		(8)
69.3	33.1	1491
22.0		
28.0		
21.5		
16.0		(4)
87.5	41.8	1882
17.5		
20.5		
18.8		
15.5		(6)
72.3	34.6	1555

2) 26 (29
26

Coloro

Zenith

LadyWright

B2913A29-1-1-1

C283A9-6-1-2

Source Seed
Seeding No.

		Head		Ripe	
		1st	Full	1st	Full
C2920A44-2-2	36	8/2	8/12		9/2
IBRxF	41	8/2	8/12		9/2
		8/2			9/2
Early Prolific	37	7/25	8/6		9/3
TS-19801	45	7/24	8/6		9/3
CI-5883		7/25			9/3
Prelude	38	8/5	8/14		9/5
IBRxF	44	8/5	8/15	8/30	
		8/5			9/5

Board Plots - '41
Board Plots - '41
Date Seeding

Midseason Maturing Varieties

B2912A47-1-1-1,		9/14	9/19	9/1	9/14
KxBR.	15	9/12	9/20	9/1	9/14
		9/12			9/14

Date Seeding

Plant Ht.	Diseases			
	H.O.	C.O.	INT	L.F. Br.
37			1	0
38			1	0
38				
39				
(38)				
41			2	+
44			1	+
42				
40				
(42)				
45			1	0
46			1	0
43				
44				
(45)				
46			2	+
46			2	+
43				
42				
(44)				

18.0			
18.0			
18.0			
16.8		⑦	
70.8	33.8	1523	
22.5			
26.0			
21.8			
17.8		③	
88.1	42.1	1895	
23.8			
22.3			
23.0			
21.0		②	
90.1	43.1	1938	
25.5			
29.3			
19.3			
17.3		①	
91.4	43.7	1966	

C2920A41-2-2

Early Prolific

Prelude

Start of
Mid Season
Group

B2912A47-1-1-1

Guard #9522 F. Plots 4 Source Seed Seedling under

		Head 1st	Head Full	Ripe 1st	Ripe Full
C2912A10-1 KxBR	2	8/17	8/23		9/18
		8/16	8/23		9/18
		8/17			9/18
Ark Rose	3	8/15	8/22		9/14
	17	8/15	8/23		9/14
		8/15			9/14
Blue Rose	4	8/22	8/27		9/21
TS-7183	18	8/23	8/28		
CI-1962		8/23			9/21
C2854-3	5	8/22	8/27		9/21
Blue Rose-41	16	8/23	8/28		
		8/23			9/21
Nira	6	8/23	9/1		9/19
TS-19936	12	8/23	9/2		9/19
CI-2702		8/23			9/19

Date Seeding '41
Date Seeding '41
Date Seeding '41
Date Seeding '41

Plant Ht	Diseases HO	CO	WT	Lf Bl
45				
45			2	0
44			1	0
43				
(44)				
41			3	tr+
41			3	tr
41				
40				
(41)				
43			2	+
43			3	+
42				
41				
(42)				
42			tr	+
42			tr	+
42				
40				
(42)				
51			0	tr
51			0	tr
50				
49				
(50)				

C2912A10-1
V.G. standing up
neg. weak

Ark Rose
Drowning body
due to C.O

Blue Rose

C2854-3

Nira
Enlarged Negative
this year

Source Seed — Grand #7 + F.P. Plots '41

Date Seeding '41

		Head		Ripe	
		1st	Full	1st	Full
Acadia	7	8/14	8/23		9/18
TS 1982	19	8/17	8/23		9/18
CI-1988		8/17			9/18
S2912A34-2-1-3	8	8/14	8/22	9/11	9/16
KxBR	14	8/14	8/23		9/16
		8/14			9/16
B322A4-2-3-1	9	8/16	8/24	9/1	9/14
KxF	21	8/17	8/24	9/2	9/14
		8/17			9/14
B2912A13-2-2-1-1	10	8/16	8/22		9/16
KxBR	13	8/15	8/23		9/16
		8/16			9/16
Fortuna	11	8/20	8/28		9/17
TS-~~1344~~ 982	20	8/20	8/28		9/17
CI-1344		8/20			9/17

Plant Ht	Diseases H.O.	Diseases Co	Diseases WT	Lf. Br. 6/18
38			1	0
41			1	0
40				
39				
(40)				
45			th	th
45			2	th
43				
44				
(44)				
47			0	oth
45			0	0
45				
45				
(46)				
43			1	th
42			1	0
42				
41				
(42)				
46				t
45			0	th
46				
46				
(46)				

Fortuna C sprayed on 7/29 (west 16 ft 2 center rows) semi C) morning 500 ppm naph acetic.

no effect.

19.3						
18.5						
17.8						
17.8		(8)				
73.4	35.1	1579				
20.3						
20.5						
16.8						
16.8		(7)				
74.4	35.6	1600				
20.0						
18.5						
22.5						
19.3		(3)				
80.3	38.4	1727				
20.0						
20.3						
17.3						
17.8		(5)				
75.4	36.0	1622				
20.0						
23.8						
22.8						
21.5		(2)				
88.1	42.1	1895				

Acadia

standing up
need out 9/09

S2912A34-2-1-3

Pinkhurst Lobsang
KvBK carbon wipe

B312A4-2-3-1

B2912A13-2-2-1-1

Fortuna

Late Maturing Varieties;

Source Seed Seedling Plots

Date Sdg. - '41

		Head		Ripe	
		1st	Full	1st	Full
Texas Patna	23	9/2	9/13		10/5
RxS094	27	9/1	9/13		10/5
		9/2			10/5
B321A2-5-1-1-1-1	24	9/6	9/16		10/12
RxD	29	9/6	9/16		10/12
		9/6			10/12
Rexoro	25	9/14			10/16
TS-19441	30	9/12			10/16
CI-1779		9/13			10/16
C321A4-11-2	26	9/6	9/17		10/12
RxD	28	9/6	9/17		10/12
		9/6			10/12

Gd.-82 J.F.Plots-'41

Gd.-#86 J.F.Plots-'41

Plant Ht.	Diseases H.O.	C.O.	WT	Lf. Br
43				0
43				0
42				
42				
(43)				
43				+
43				+
44				
44				
(44)				
42				0
43				0
45				
45				
(44)				
46				0-Tr
46				Tr
46				
46				
(46)				

Weather and sauce C sprayed 7/29 (16 feet of 2 center rows of plot)

no effect

19.5			
19.5			
21.5			
17.0		(2)	
77.5	37.0	1667	
12.0			
17.3			
19.8			
14.5		(3)	
63.6	30.4	1368	
16.5			
20.3			
34.8			
21.3		(1)	
92.9	44.4	1998	
12.3			
15.5			
14.0			
11.5		(4)	
53.3	25.5	1146	

Texas Patna

B321A2-5-1-1

Rexoro

Series C + D on outside of block + are on better land than other plots Poor yield of D should make D about as the

C321A4-11-2

147

Single Field Plots. (at EAST END of Acre)

North

	1941 No.	Head 1st Full		Ripe 1st Full	HV
B283A2-5-7, EXF	35	8/6	8/15	8/31	
EP x BR	Stutt., Ark.	7/27	8/10	8/31	
Early Prolific	Date Sdg. '41	7/29	8/10	8/31	
B2916A34-33-1 ExBR	16	8/7	8/16	9/6	

South

Plant Ht	Diseases			
	HO	CO	WT	Lf. Br.
		SS	0	0
			3	
			2	
			1	

Single Field Plots (At west end of Acre)

	1941 No	Head 1st	Head Full	Ripe 1st	Ripe Full	H
North B322A4-6-3, RxF	44	8/18	8/28		9/15	
Early Nira	start Ark.	8/20				
B34A39-47 BRx5309	109	8/26				
B2920A25-1 IBRxF	72	8/17	8/25		9/15	

South

Plots 95 x 5, 33
Multiply by 86.03 for lbs per acre.

Plant Ht.	Diseases HD.	C.O.	WIT	Lbs. Per Plot		
			0	22.0	42.1	1893
			0	18.3	35.0	1574
			tr-1	19.3	36.9	1660
			1			

50	= 7.5
60	6.0
70	4.5
80	3.0
90	= 1.5

1.75

12.5

If this notebook is lost will finder please use the attached frank and mail to: The Division of Cotton and Other Fiber Crops and Diseases. No postage stamps are required.

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WASHINGTON, D. C.

BUREAU OF PLANT INDUSTRY

Division of Cotton and Other Fiber Crops and Diseases

2336 has a triploid plant

Row 2368 has a triploid plant

" 2332 " " haploid "

2323 " " haploid

2321 " " non-head

2315 " " number of dwarf plants

24 normal - 6 dwarfs

2222 has a tetraploid plant with end

2266 " non-head at next end

2260

1942

RICE NURSERY

YIELD PLOT

EXPERIMENTS

1942

UNITED STATES
DEPARTMENT OF AGRICULTURE

FIELD NOTES

BUREAU OF PLANT INDUSTRY
DIVISION OF COTTON AND OTHER FIBER CROPS
AND DISEASES

1-20 Uniform Early

21-42 Beaumont Early

43-60 Uniform Long

61-85 Beaumont Long

86-110 Blue Rose Types

111-134 Smt. Sh. & Med.

135-159 K × H × B.R.

160-178 Uniform Sh. & Med.

136 10A1-6 (282) or 2205-607

148 BR-41 -(281)

149 - 10A1-15 (270) (2248)

151 - 12A1-15 (278) (2359)

155 - 10A1-3 (276) (2199)

10A1-6 & 10A1-15 are similar with 10A1-6 print the latter

1-3 2199 x 98 — x CO x BR

10A1-6 2205 x 98

~~2360~~

10A1-15 2248 x 98

BR-41 2260 x 98

2355 x 98 extension

2359 x 98

(F x BR) 1-93 x 98

Zenith x 98

SUGGESTIONS CONCERNING FIELD DATA AND NOTES

DIVISION OF COTTON AND OTHER FIBRE CROPS AND DISEASES

It is suggested that the following general information be recorded for each field experiment:

1. Name of experiment or study.
2. Soil type.
3. Previous crops and fertilizers (2 years).
4. Preparation of land: (*a*) Methods (*b*) Dates
5. Size of plot:
   (*a*) Area in square feet (*b*) Number of rows
   (*c*) Length of rows (*d*) Width of rows
6. Fertilizer: (*a*) Pounds per acre
   (*b*) Analysis (N–P–K) (*c*) Time of application
   (*d*) Method of application (*e*) Side dressings
7. Planting: (*a*) Date (*b*) Rate (*c*) Method
8. Thinning: (*a*) Date (*b*) Method (*c*) Approximate optimum spacing attempted
9. Cultivation: (*a*) Implements used (*b*) Dates
10. Dates at which all notes and samples are taken.
11. Dates of pickings.

The following suggestions are made in regard to recording data:

1. Record all dates as figures, giving the month and day of month, as 5/16 (May 16).
2. Record all field weights in pounds and decimal fractions of pounds. The requisite accuracy depends somewhat on the size of sample, but for ordinary size plots 0.1 pound is usually satisfactory. It is suggested that small samples be weighed more accurately (0.01 pound).
3. Estimations, such as seeding vigor, shedding, color, etc., may be recorded either numerically or with letter designations, as is found convenient; for example (seeding vigor), 1=Excellent, 2=Good, 3=Medium, 4=Fair, and 5=Poor; or E=Excellent, G=Good, M=Medium, F=Fair, and P=Poor. An explanation of legends should be recorded for each variable and experiment.
4. Diseases and insect pests.
   (*a*) GENERAL.—Attach by diseases or insect pests should be recorded by suitable legends to indicate type of disease or pest, percent of plants killed or affected, and in serious attacks, estimating crop loss. For example, FW *5/35–7 (Footnote* Fusarium wilt 5 percent plants killed, 35 percent affected, 7 percent loss estimated).
   (*b*) SPECIAL.—Where the book is used for taking notes on regional field tests on disease resistance, treatments, etc., it is suggested that directions which are furnished for taking uniform data be pasted, or copied, in the front of the book.
5. Diagram, to scale, the block on which each experiment is conducted, showing visible soil differences, variable plant response attributable to soil differences, drainage, or unequal irrigation, slope of land or contours, and any other features which may materially assist in interpreting the results. The square ruled paper in the front of the book may be found useful for this purpose.
6. Explain clearly all legends used.
7. Identify all experiments as to location on blocks and YEAR.

For types of experiments for which this book does not provide ample page space, larger sheets should be utilized. In taking data, which are to be reported in this book, or on larger sheets especially provided, the field or laboratory determination should be written directly, at the time of weighing or otherwise determining, and submitted to Washington, or filed as the permanent record. Avoid all possible transcribing or typing of raw data.

U. S. GOVERNMENT PRINTING OFFICE 217929

Leaf Browning Notes (6/18/42)

± 0 = 0 to a very slight tendency

T or tr = Trace

+ = Like Blue Rose

++ = Worse than BK (showed)

Nt tip 0 = none

1 = 1 or V. few plants

2 = a good many plants affected

3 = Majority of plants affected

4 = all plants affected

Substrate M or S = Moderate infection or severe infection

Cercospora R = Resistant reaction

M = Moderately resistant

S = Susceptible

Helminthosporium Notes:

Based on modified scale for leaf rust

Seg = Segregating

T notes numbered nos 111 – 178 1st issue 8/13/42

			HEAD				
			1ST FUL				

HAT-ERING	YIELD DATA: GMS. PER ROW	ACRE YIELD: BU.	ACRE YIELD: LBS.	ACRE YIELD: BBLS.	TEST PER BU. (LBS.)	MILLING DATA: P.I. RICE	MILLING DATA: H.T. RICE	DISEASES: Cercospora	DISEASES: White Tip	DISEASES: Entyloma

1

~~Early~~ Uniform Early Maturing Varieties

		1941 Source	Seeding order	Head 1st	Head Full	Ripe 1st	Ripe Full	H
1	C2919A5-1-3	2	1	6/30	7/14	7/22	8/5	
	Co x BR		56				8/6	
	Disc		78				8/5	
			110				8/5	
2	S40-25262	Sturt. Ark.	2	7/15	7/24	8/1	8/18	
	EP x BR		61				8/20	
	disc Substitute mass stream		68				8/18	
			108				8/19	
							8/19	
3	Zenith	1	3	7/18	7/29	8/3	8/18	
	CI-7787		49				8/17	
	E. Ill. cut guard		73				8/18	
			125				8/18	
							8/18	
4	Lady Wright	15	4	7/15	7/25	8/2	8/17	
	TS-19803		50				8/16	
	CI-5451		66				8/18	
	E Ill. cut guard		123				8/17	
							8/17	
5	C2883A3-6-2	12	5	7/18	7/30	7/31	8/16	
	E x F		43				8/16	
	Disc Combined with #5 and has 72		70				8/16	
	Has 520 returns		106				8/16	
							8/16	

Plant Ht	Diseases H.O.	Cp.	WT	Lead Br.
36	15		2	T
37	Ent +	S	1	
			2	
37			1	
			2	T
41	10		3	T
43	Ent +	S	2	
			2	
			3	
42	10	S	3	T
39	5		2	+
39	Ent +	Mod.	2	
			2	
			3	
39	5	M	2	+
39	10		3	T
40		S	3	
		mod inf on 9/31	3	
			3	
40	10	S	3	T
40	10	0	0	+
41		R.	0	
			0	
			0	
41	10	R	0	+

	Bu	Mo	
186			pan prop
108			
28			
116			
438	14.6	657	
334			
395			
276			
305			
1310	43.7	1965	
299			
343			
324			
233			
1199	40.0	1798	
245			
311			
218			
203			
977	32.6	1466	
271			
289			
292			
318			
1170	39	1755	

poor	1	Badly damaged by birds Badly damaged by birds Severely damaged by birds Probably discarded.
good popping	2	not much better than poor like Epoch earlier
only fair popping	3	
very good popping	4	
very good popping (excellent)	5	

1 UNI. EARLY

		1941 source	Seeding Order	Head 1st Full	Head Full	Ripe 1st	Ripe Full	Notes
6	S2920A32-5-9-4-5-2-1 IBR x F (AH-410) Ellini	Stutt. Ark	6	7/19	7/29	8/5	8/19	
			55				8/18	
			82				8/18	
			115				8/18	
							8/18	
7	B317A39-5 W x F Ellini cut guard	127	7	7/19	7/30	8/11	8/22	
			52				8/22	
			75				8/22	
			117				8/22	
							8/22	
8	S40-25302 EP x BR Ellini	Stutt. Ark.	8	7/20	7/29	8/12	8/21	
			48				8/19	
			64				8/20	
			122				8/20	
							8/20	
9	Prelude IBR x F Ellini cut guard	Stutt. Ark. grown in '41 under row #9	9	7/21	8/1	8/10	8/23	
			53				8/21	
			81					
			109				8/21	
							8/22	
10	C2920A41-2-2. IBR x F Ellini cut guard	10		7/20	7/31	8/6	8/17	
							8/17	
							8/18	
							8/18	
							8/18	

6/18/42

Plant Ht	Diseases H.O.	C.O.	WT	Lf. Br.
38	10	0	3	+
40	Ent +	R mod inf on 8/31	2	
			3	
			3	
39	10	R	3	+
42	10	Seg	1	+
43	Ent +	Seg	2	
			1	
			9 1/2	
43	10	Seg	1	+
38	10	+	3	+
40	Ent +	S	3	
			3	
			3	
39	10	S	3	+
42	15	+	3	T
43	Ent +	R mod 8/31	2	
			2	
			3	
43	15	R	3	T
38	5	+	1	T
38	Ent +	R mod 8/31	1	
			1	
			1	
38	5	R	1	T

216					
307					
252					
249					
1024	34.1	1536			
372					
455					
507					
334					
1668	55.6	2502			
273					
329					
301					
223					
1126	37.5	1689			
397					
435					
317					
347					
1496	49.9	2244			
297					
319					
303					
281					
1200	40	1800			

poor popping 6

only for Prot. det

Very good popping 7

poor popping Pomet Cpr Skin Test 8

Excellent popping 9

poor popping 10

		1941 Source	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full
11	S2920A17-4-4-5-3-1	8	11	7/16	7/27	8/1	8/16
Ellini	IBR x F (AH-429) ~~Stuttt. Ark.~~		54				8/18
			71				8/17
		11-20-74	118				8/17
							8/17
12	C283A9-6-1-2	18	12	7/25	8/4	8/13	8/20
Ellini	E x F		57				8/18
cut guard			67				8/19
			111				8/18
							8/19
13	Colusa	6	13	6/29	7/12	7/26	8/5
Ellini	T.S. 19798		44				8/6
	CI-1600		65				8/6
			120				
							8/6
14	Early Prolific	14	14	7/18	7/30	8/9	8/21
Ellini	TS-19801		60				8/21
	CI-5883		74				8/20
cut guard			113				8/19
							8/20
15	AL-5-1-10	Crowley La.	15	7/21	7/31	8/12	8/22
Ellini	I x BR		62				8/22
			83				8/22
			124				8/22
							8/22

Plant Nt	Diseases H.O.	C. O.	NT	Lf. Br.
39	5	+	3	T
40	Ent +	R. mod 8/31	1	
			2	
			2	
40	5	R	2	T
42	5	0	0	+
42	Ent. t	practically none on 8/31	0	
			0	
			0	
42	5	R	0	+
38	5	+	0	T
38	Ent. +	Mod.	1	
			1	
			tr	
38	5	M	1	T
40	5	20	2	+
43	Ent +	S	1	
			2	
			2	
42	5	S	2	+
39	5	+ 4/18	3	+
43	Ent +	R	2	
		tr on 8/31	3	
			3	
41	5	R	3	+

322		
283		
286		
309		
1200	40.0	1800
301		
381		
247		
295		
1224	40.8	1836
189		
112		
157		
180		
638	21.3	957
280		
326		
369		
296		
1271	42.4	1906
298		
356		
271		
259		
1184	39.5	1776

good popping 11

excellent popping 12

poor popping ioneid bird damage 13
severely dam. by rats

good popping 14

15

Bird and Earle
Grange Mountain

		1941 Source	Seeding Order	Need 1st	Need Full	Ripe 1st	Ripe Full	N
16	B2916A34-3-3-1	16	16	7/29	8/6	8/16	8/28	
Ellni	ExBR		59					
Edguard			77					
			114				8/28	
17	Shoemed	7	17	7/30	8/9	8/15		
Ellni	TS-19889		58					
	CI-3625		80					
			112				8/23	
18	B2913A29-1-1-1	17	18	7/3	7/21	7/30	8/19	
Ellni	CO x BR		51				8/19	
Edguard			69				8/19	
			107				8/19	
							8/19	
19	S40-25309	Stutt, Ark.	19	7/8	7/24	8/5	8/18	
Rio	EP x BR		46				8/19	
			72				8/19	
			121				8/20	
							8/19	
20	C283A3-6-2 Rogue	Crowley's La.		7/20	8/1	8/3	8/16	
Ellni			47				8/16	
			76				8/19	
			119				8/17	
							8/17	

EXP

E dropped from Unit E

Plant Ht.	Diseases H.O.	C.O	WT	Lf. Br.
40	5	+	2	+
44	Ent +	S	2	
			2	
			2	
42	5	S	2	+
41	5	0	1	+
44	Ent +	R +	1	
		wapt for few plants	0	
			0	
43	5	R	1	+ spread yellowing
38	10	+	2	0
37	Ent +	S	2	
			2	
			2	
38	10	S	2	0
37	10	S	3	+
40	Ent +	S	3	
			3	
			3	
39	10	S	3	+
40	5	0	0 1 pl	+
40	Ent to	R	0	
		mod 8/31	1	
			0	
40	5	R	0	+

351			
364			
508			
313			
1536	51.2	2304	
283			
261			
236			
261			
1041	34.7	1562	
315			
330			
256			
296			
1197	39.9	1796	
275			
324			
299			
231			
1129	37.6	1694	
298			
267			
380			
251			
1196	39.9	1794	

fairly good popping 16

17

Better than 2 for lodging in 3rd. 18

19

Poorest CPxBK in 3rd.

Very good popping 20

17

Beaumont Early (maturing) Varieties:

				Head 1st Full	Ripe 1st Full		
22	B283A3-4-5	13	22	7/31	8/9	8/16	8/26
E Brad	E x F		92				8/24
cut grain							9/25
23	B283A3-5	28	23	8/2	8/11	8/18	8/25
Disc	E x F		97				8/26
Cut grain							9/26
24	J2914A46-5-1-1-1-1	136	24	7/30	8/10	8/26	9/3
Disc	CA x BR		89				9/1
							9/2
	Clear almost med grain 1941						
25	J2913A6-2-1-1-1	29	25	7/7	7/20	7/30	8/13
Disc	CO x BR		105				8/13
							8/13
	Clear med. grain - 1941						

Plant Ht.	Diseases H.O.	C.O.	W.T.	LF. Br.
43	5⁻	0	0	+
	Ent tr	R	0	
43	5	R mod S/31	0	+
44	5	+	1 pk 0	+
	Ent tr	R	10	
44	5	R mod S/31	0	+
41	5⁻	+	2	T
	Ent +	S	3	
41	5	S	3	T
36	10	+	2	0
	Ent +	S	3	
36	10	S	3	0

312
334
646 43.1 1938

328
232
560 37.3 1680

289
297
586 39.1 1758

224
277
501 33.4 1503

22
BMT.
EARLY

Excellent popping - 22

good popping 23

24

25

		1941 No.	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full	H
26	B2919A39-4	30	26	7/21	8/1	8/8	8/23	
Disc	H×BR		104				8/20	
							8/22	
27	Shiro Beniya	21	27	7/25	8/1	8/18	8/24	
Disc	CI-6928		87				8/27	
							8/24	
28	B323A5-8-1-1-1	20	28	7/20	7/31	8/12	8/22	
Disc	R×SBR		85				8/21	
							8/22	
29	B3911, EP	34	29	7/24	8/4	8/17	8/23	
E Bmt			99				8/24	
							8/24	
30	~~BR-Sel.~~	3299	30	7/21	8/2	8/8	8/23	
E Umt	#B41-3299 BR		96				8/24	
							8/24	

Duplicate transfer in 1941

plant Ht.	Diseases H.O.	C.O.	WT	Lf. Br.
37	5	+	3	+
	Ent. +	S	3	
37	5	S	3	+
35	tr	0	2	0
	Ent 0	R.	2	
35	T	0 on 8/31 R	2	0
40	5	tr	2	0
	Ent +	R Mod 8/31	2	
40	5	M	2	0
39	5	tr	1	T
	Ent +	R.	1	
39	5	tr on sound plants 8/31 R	1	T
40	10	+ 8/18	2	T
	Ent +	Seg	1	
40	10	Seg Mod-S	2	T

267		
258		
525	35	1575
248		
158		
406	27.1	1218
394		
271		
665	44.3	1995
288		
282		
570	38	1710
340		
267		
607	40.5	1821

excellent popping 26

1. poor popping 27

very good popping 28

fair popping 29

poor popping 30

		1941 No	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full	H
31	Honduras	31	31	7/24	8/2	8/7	8/18	
E Brut	TS-1611		88				8/18	
	CI-1643						8/18	
32	~~E.P.Sel.~~ #B41-2462, EP	2462	32	7/23	8/1	8/11	8/20	
E Whit	cut grain		101				8/22	
	#32 & B3911EP are from different parents selected in 1937 from our plots						8/21	
33	B3313B40-4	2632	33	7/17	7/25	8/5	8/18	
E Brut	Rx7689		102				8/18	
							8/18	
34	J2916A24-1-1-1-1-1	25	34	7/17	7/26	8/5	8/18	
Rice	ExBR		95				8/18	
	Introduced in 1944						8/18	
35	Edith (Bay City)	33	35	7/19	7/28	8/4	8/19	
cut grain E Brut			100				8/19	
							8/19	

Plant Ht.	Diseases H.O.	C.O.	WT	Lf Br.
36	S⁻	+	1	+
	Ent +	S	2	
36	S	S	2	+
41	tr	tr R	2	+
	Ent +	R.	2	
41	T	a mod on 1/3	R 2	+
42	15	+	2	T
	Ent +	S	1	
42	15	S	2	T
41	S⁻	+	0	T
	Ent +	S	1pe 0	
41	S		0	T
39	S⁻	+	1	0
	Ent +	S	1	
39	S⁻	S	1	0

193		
147		
340	22.7	1020
404		
314		
718	47.9	2154
276		
285		
561	37.4	1683
269		
186		
455	30.3	1365
260		
178		
438	29.2	1314

fair popping 31

good popping 32

poor P 33

poor P. 34

good popping 35

		1941 No	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full	Hv
36	B401, IBR	115	36	8/16	8/25		9/16	
Disc?			94					
37	J2911A32-2-2-2-1-4	36	37	7/11	7/21	7/30	8/18	
Disc	KxH		86				8/18	
							9/18	
38	B3722A1-93	3792	38	7/25	8/3	8/10	8/26	
EBunt	FxBR		91				8/25	
cut guard							8/26	
39	B283A2-5-7	35	39	7/24	8/1	8/7	8/20	
Disc	ExF		98				8/20	
							8/20	
40	B372, BR	147	40	7/12	7/23	8/5	8/17	
Disc			93				8/18	
							8/18	

Plant Ht.	Diseases H.O.	C.O.	W.T	Lf. Br.
45	5	+	3	0
	Ent tr		3	
45	5		3	0
42	Rabbit 15	+	1	++
	Ent +	S	2	
42	15	S	2	++
44	watch for Hoarcyn. Sup.? 25	R	2	0
	Ent + 25	R	2	0
42	5	+	0	++
	Ent +	S	0	
42	5	S	0	++
38	5	+ (6/19)	2	+
	Ent +	S	3	
38	5	S	3	+

340
270
610 40.7 1830

269.
172
441 29.4 1323

338
359
697 46.5 2091

291
268
559 37.3 1677

267
194
461 30.7 1383

poor p. 36

poor popping - 37

Excellent popping 38

On 6/11 is taller & coarser looking than other sets. V. good

good popping 39

good popping 40

		1941 No.	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full	Hy
41	B374A3-14	2252	41	7/25	8/3	8/15	8/25	
	(ExF)x(ExF)		103				8/25	
Rice							8/25	
42	Shoemed	22	42	7/30	8/9	8/18	8/23	
	TS-19889		90					
E Brut	CI-3625						8/23	

Plant Ht.	Diseases			Lf. Br.
	H.O.	C.O.	WT	
40	5	+	0	T
	Ent+	S	0	
40	5	S	0	T
44	5	0	0	+
	Ent+	R	0	
44	5	few blanks-S	0	+
				Brownish spotting

249
227
476 31.7 1428

255
275
530 35.3 1590

poor popping 41

/

. Excellent popping 42

37

see notes on (Heading) and again (Stooling)

Uniform Midseason Maturing Varieties; (long-grain types)

		1941 No.	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full	Hv
43	Ak-11-10-15-1, SxF.	Crowley La.	127	8/9	8/19	8/25		9/5
M-Unif Long			320	8/1	8/11	8/20	9/1	9/5
			399					9/5
			469					9/5
				8/5			9/1	
44	Shoemed	47	128	7/31	8/10	8/20	8/28	9/2
	TS-19889		323	7/31	8/10	8/21	8/29	9/2
	CI-3625		409					9/2
M Unif Long			480					9/2
				7/31			8/29	
45	Fortuna (Texas)	46	129	8/10	8/20	8/28	9/4	9/5
	TS-9821		321	8/5	8/14	8/25	9/1	9/5
M Unif Long	CI-1344		411					9/5
			474					9/5
				8/8			9/3	
46	Early Nira	Stutt. Ark.	130	8/14	8/23	8/31	9/8	
			319	8/9	8/18	8/27		
M-Unif Long			409					
			470					
				8/11			9/8	
47	Delitus	51	131	8/2	8/11	8/20	8/30	9/2
	TS-8076		~~325~~ ~~321~~	8/1	8/10	8/18	8/28	9/2
M-Unif Long	CI-1206		~~401~~ ~~398~~					9/2
			~~478~~ ~~487~~ ~~485~~					9/2
				8/2			8/29	

cut grain

checked 6/13/42

Plant Ht.	Diseases H.O.	C. O.	WT	Lf Br.
	5	flecks		0
45	Ext th	R.	0	
41		slight shoe.		
43	T	R	0	0 yellowing
	5	flecks		T
42	Ext th	R	0	
45				
44	5	R	0	T yellowing +
	15	+		+
48	Ext th	R	0	
45		slight		
47	15	R	0	+
	15			0
53	Ext th	0	0	
46				
50	15	0	0	0
	10	+		+
41	Ext th	R	0	
39		mod.		
40	10	R	0	+ yellowing +

231		
333		
232		
251		
1047	34.9	1570
183		
260		
325		
283		
1051	35.0	1576
340		
468		
282		
428		
1518	50.6	2277
215		
392		
257		
294		
1158	38.6	1737
164		
195		
176		
184		
719	24	1078

fair popping		Similar in appearance to above	43
Excellent popping			44
fair "		V. good	45
V. good "		Similar to Nos. 43 & 44 but not quite as good as 44	46
Very good "		Poor	47

		1941 No	Seedling order	Head 1st	Head Full	Ripe 1st	Ripe Full	Ht
48	B324B39-17	66	132	8/9	8/18	8/23	8/30	9/2
dead	Rx5094		312B	8/5	8/12	8/19	8/28	9/2
Screened nic prematu			398					9/2
and ha. in 1942			483					
				8/7			8/29	
49	C2-11-2-2	Crowley Ga.	133	8/18	8/26	9/5	9/15	
Dead	Rx (F-CA)		318	8/20	8/27			
			408					
			476					
				8/19			9/15	
50	B322A4-2-3-1	39	134	8/4	8/13	8/24	8/30	9/2
M-Ussi	RxF		316	8/2	8/11	8/23	8/30	9/2
Lang			402					9/2
			479					9/2
				8/3			8/30	
51	Ark. Fortuna	Stutt. Ark.	135	7/30	8/7	8/17	8/27	9/2
M-Ussi			313	7/28	8/6	8/15	8/26	9/2
Lang			413	7/30				9/2
			477					9/2
				7/29			8/27	
52	Nira	49	136	8/13	8/21	8/31	9/8	
M-Ussi	TS-19936		326	8/12	8/20	8/29		
Lang	CI-2702		406					
			475					
				8/13			9/8	

Plant Ht.	Diseases H.O.	C.O.	WT	LP. Br.
	15	+		+
44	Ent tr	Mod-R	0	
40				+ pubescence
42	15	R	0	+
	15	+		0
47	Ent 0	R.	tr	
45			tr	
46	15	R	T	0
	20	+		+
46	Ent +	R	0	
45		(like Rex)		
46	20	R	0	+
	20	+		+
49	Ent tr	R (tr)	0	
44				
47	20	R	0	+
	15			T
53	Ent tr	R	0	
52		0		
53	15	R	0	T

			Bu.
180			
311			
288			
237			
1016	33.9	1524	
222			
372			
330			
336			
1260	42.	1890	
191			
422			
251			
307			
1171	39.	1756	
191			
367			
248			
355			
1161	38.7	1742	
222			
216			
307			
420			
1165	38.8	1748	

good popping — Poor shatter 48
Straw handled.
V. good in 2nd same
Four in 2nd

fairly good " — stiff straw shot 49
looks like SX N ± 77
vegetatively

excellent " — 50
Is it Telfer,
not looking Narrower
Leaves thin A4-2-3-4
not ?

Excellent " — Not as showy as 51

Excellent " — 52

			1941 No	Seedling Number	Head 1st	Head Full	Ripe 1st	Ripe Full	H
53	S2920A 42-6-1		137		8/1	8/11	8/24	8/30	9/
	IBRxF		314		7/30	8/9	8/20	8/28	9/
M-Uniform			405		7/31				9/
			466						9/
					7/31			8/29	
54	S38-17345	54		138	7/31	8/8	8/23	8/28	9/
M-Uniform	IBRxF			324	7/31	8/8	8/20	8/28	9/
				414					9/
				468					9/
					7/31			8/28	
55	C322A6-18	48		139	8/8	8/16	8/23	9/2	9/
M-Uniform	RxF			322	8/4	8/13	8/21	9/1	9/
				412					9/
				482					9/
					8/6			9/2	
56	AL-11-12-2-2,	Crowley La.		140	8/9	8/16	8/27		9/
M-Uniform	SxF			329	8/4	8/12	8/24		
				415					
				481					
					8/7			9/4	
57	C322A6-23	Crowley La		141	8/12	8/20	8/27	9/8	
M-Uniform	RxF			328	8/6	8/15	8/25		
				407					
				472					
					8/7			9/8	

Plant Ht.	Diseases H.O.	C.O.	WT	Lf. Bl.
	10	+	1	T
45	Ent tr	S.	1	
42			1	
44	10	S	1	T
	5	0		T
40	Ent	R.	2	
43		few small spots 9/2 like Ent.		
42	5	R	2	T yellowing
	15			T
44	Ent +	R like Ent	0	
41				
43	15	R	0	T
	5	C		T
48	Ent 0	R	0	
44		like Ent		
46	5	R	0	T yellowing
	15	tr		T
47	Ent tr	R	0	
46		like Ent		
47	15	R	0	T

299		
355		
302		
428		
1384	46.1	2076
250		
212		
243		
269		
974	32.5	1461
241		
240		
275		
285		
1041	34.7	1562
198		
276		
167		
138		
779	26	1168
253		
378		
310		
393		
1334	44.5	2001

poor popping		Life look like fort, too much	53 Hrs
good	"	similar & perfect except not husky	54
good	"	V. good. Habata better than A4-2-3-1	55
good	"	Many dead leaves 7/17 Lodged badly — all leaves touched crown	56
good	"	V. good.	57

		1941 No.	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full	Hv
58	B322A4-6-3 RxF	44	142	8/9	8/17	8/25	9/4	9/5
M-Uni Long			327	8/4	8/13	8/23	9/2	
			410					
			467					
				8/7			9/3	
59	C2-26-1, ½NxF	Crowley ha.	143	8/14	8/22	9/1	9/11	
New strain from Crowley			315	8/11	8/20			
			403					
			471					
				8/13			9/11	
60	AH-32-23 RxF	Stutt. Ark.	144	8/7	8/17	8/25	9/2	
M-Uni Long			317	8/2	8/11	8/24	9/2	
			400					
			483					
				8/5			9/2	

Plant Ht.	Diseases H.D.	C.O.	WT	Lf. Br.
	15	0		T
47	Entire	R	0	
40				
42	15	R	0	T
53	15	+ R		+
53	Entire	R	0	
48				
51	15	R	0	+
	20	Seq		+
44	Entire	R	0	
40		Like Rep?		
42	20	R	0	+

344		
432		
380		
315		
1471	49	2206
311		
343		
363		
323		
1340	44.7	2010
286		
408		
294		
338		
1326	44.2	1989

good ripening — V.G. best straw of any of the R×F sels. — 58

Excellent (1 of best) — Not as tall as Kin similar in other respects as tall as Kanota in 2nd but more prom. — 59

good " — good except for lodging, best at Ames. — 60

Beaumont: Midseason Maturing Varieties:

		1941 No	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full	Hv
61	B347B39-10 RxN	3099	145 312A	8/14	8/20	8/31	9/9	
62	Nitta (from Grading office)	353	146 290	8/5	8/19	8/30	9/8	
63	B322A2-3-2 RxF	76-D	147 305	8/8	8/17	8/24	9/1	9/5
64	B352A11-2 KxK	2422	148 288	8/9	8/18	8/26	9/8	
65	B322A4-1 RxF	120	149 302	8/7	8/17	8/23	8/31	9/2

(Long and long Slender-grain)

Checked on 8/13/42

Plant Ht	Diseases N.O.	C.O.	W.T.	Lf. Br.
Cut on 6/18				
47	10 R tr	R		0
48	cut tr	R	0	
48	10	R	0	0
53	15	0		T
50	cut tr	R	0	
52	15	R	0	T
37	15	0		+
38	cut 0	R	0	
38	15	R	0	+ yellowing ++
48	10	0		T
45	cut +	R	0	
47	10	R	0	T
Cut 6/18				
43	15	0		T
42	cut tr	R very thin cut tubes	0	
43	15	R	0	T

282
272
554 369 1662

252
198
450 30 1350

315
244
559 37.3 1677

248
202
450 30 1350

341
307
648 43.2 1944

V. good progeny

V. much like Mira. except plants a trifle V. uniform 61
less drying than Mira

62

—

considerable lodging on 9/16

61 BM MID. NOR. Standard GRAIN

Excellent (Best)

gold kernels too much drying shot like 14-2-3 63

Excellent (best)

V. good. Not so productive as X8N3 gold kernels. 64

Excellent

appears quite leafy + shorter than 65
4-2-3-1 on 8/3/12

		1941 No.	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full	WV
66	B347B39-7	3098	150	8/11	8/19	8/31	9/7	
	RxN		289					
67	B322A4-3-2	62	151	8/9	8/17	8/28	9/6	
	RxF		311					
68	B376A2-47	3976	152	8/8	8/18	8/28	9/6	
	(IBRxF)xS		307					
69	B347B39-6	3097	153	8/11	8/20	8/28	9/8	
	RxN		296					
70	B347B40-5	3113	154	8/12	8/21	8/29	9/9	
	RxN		304					

Plant Ht.	Diseases			Lf. Bn.
	H.O.	C.O.	WT	
49	15	0		0
47	Ent tr	0	0	
48	15	0	0	0
42	15	0		T
39	Ent 0	mod infection	0	
41	15	R	0	T
45	20	0	1	T
43	Ent 0	R	1	
44	20	R	1	T
48	15	0		T
46	Ent tr	R	0	
47	15	R	0	T
46	25	0		0
47	Ent tr	R	0	
47	25	R	0	0

335
242
577 38.5 1731

358
276
634 42.3 1902

328
250
578 38.5 1734

257
266
523 34.9 1569

274
220
494 32.9 1482

V. good popping	66	V. much like nira, possibly a shade full. V. G much standing up better than nira
fair "	67	V. uneven stand, straw many dead leaves (like Fort)
good popping	68	Irregular ht. V. long panicles dries back quite rapidly disc.
Excellent (Best,)	69	gold hulled similar to nira at best possibly not as tall. Prob. no improvement over nira Standing up better than nira on 9/21
good popping	70	slightly coarser stem than nira dry for month. V. late are present.

		1941 No.	Seedling Index	Head 1st	Head Full	Ripe 1st	Ripe Full	Hv
71	B346B40-6	3092	155	8/14	8/24	9/2	9/11	
	S x N		308					
	M-Uni Mod.							
	cut grain							
72	B346B39-9	138	156	8/17	8/25	9/2	9/12	
	S x N		303					
	M-Cent Long							
	cut grain							
73	B347B40-9	3117	157	8/9	8/17	8/25	9/5	9/
	R x N		299					
	M-Uni Long							
	cut grain							
	Odd							
74	Nira	49	158	8/15	8/23	9/2	9/9	
	TS-19936		291					
	CI-2702							
	M-Uni Long							
	cut grain							
	Rabbits + 9 more uniform ht than #62 in 2nd series possibly due to a thicker stand							
75	Tamasari-Roguc	4778	159	8/14	8/22	9/1	9/8	
			295					
	Dwf							

Plant Ht	Diseases H.O.	C.O.	WT	Lf. Br.
46	tr	tr R		0
41	Ent tr	R	0	tr
44	T	R	0	T
47	10	0		T
43	Ent+	R	0	
45	10	R	0	T
45	20	0		0
43	Ent tr	R	0	
42	20	R	0	0
51	10	tr R		0
45	Ent 0	R	0	
48	10	R	0	0
48	15	tr R		0
45	Ent tr	R	0	
47	15	R	0	0

441
364
805 53.7 2415

304
283
587 39.1 1761

263
259
522 34.8 1566

219
291
510 34 1530

244
254
498 33.2 1494

~~Excellent~~ poppy (Best)	V. stiff straw. mod lt. Pk of good grain qual. Like for sure (shatters)	71
V. Good	M. tall as 71 but much shorter than 71 leafy, should stand up much better than 71	72
V. good.	Much shattering from storm. Mod lt grn heads. V. Good adv. acc. stiff straw Eartist 7 RxN sales Stiff straw	73
Excellent (Best)	V. Good Tall Leaning on 9/16	74
good.	V. Promising Not as tall as mon [illegible] Better grain shape	75

		1941 No	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full	
76	B346B39-4	3078	160	8/20	8/27	9/7	9/16	
	SxN		297					M-Brit med.
77	B322A3-6-	134	161	8/12	8/20	8/28	9/7	
	RxF		292					M-Brit Long 3
	v. clear green leaf lighter heavier in 1941							
78	B347B40-3	3111	162	8/14	8/23	8/31	9/9	
	RxN		310					Disc
79	B347B40-2	3110	163	8/13	8/22	9/1	9/10	
	RxN		293					M-Brit Long
	cut grass							
	Similar to 84 except later ripening and probably stiffer straw							
80	B334B38-9	2626	164	8/24	9/5	9/10		
	7482xD		309					Disc

Plant Ht.	Diseases			Lf. Bl.
	H.O.	C. O.	Wt.	
47	10	?		0
47	Ent h	R	0	
47	10	R	0	0
44	20 R	+		0
41	Ent h	Fuka Int	0	
43	20	R	0	0
48	25 R	?		0
49	Ent o	R	0	
49	25	R	0	0
45	25	?		0
43	Ent h	R	0	
44	25	R	0	0
46	10	0		0
43	Ent h		0	
45	10	R	0	0

391
322
713 47.5 2139

339
299
638 42.5 1914

263
237
500 33.3 1500

274
198
472 31.5 1416

217
205
422 28.1 1266

Excellent popping		later than Maria 76 much shorter, similar to 71–72 vegetatively	
Good	"	Taller than A4-6-3 77 more like Jort. gold bulbs	
Very good	"	Very similar to 78 Nira except for gold bulbs; possibly not as tall? Prob. no improvement over Nira	
V. good	"	Most uniform in 79 bottom Nira; shorter V. good. Adv	
Fair	"	Late; leafy; 80 questionable value	

		1941 NO.	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full	H
81	B347B40-4 RxN	3112	165 298	8/14	8/21	9/2	9/8	
Disc								
82	Nira (from Grading office)	359	166 301	8/14	8/21	9/1	9/8	
Disc								
83	B346B39-16 SxN	3085	167 306	8/20	8/28	9/7	9/16	
M-Brst Inbd								
84	B347B39-18 RxN	151	168 300	8/15	8/22	9/1	9/8	
M-Unif Long	Dk Cut Panicle Dk Unif Lemony stigma except sheltered in 1941							
						Partial heat of RxN sels. 73-79+84 probably heat		
85	B3313A1-20 Rx7689	2381	169 294	8/12	8/20	9/29	9/6	
disc								
	1st series only lux. + nt was mixed with 86 so discard							

Plant Ht.	Diseases H.O.	C.O.	WT.	L.B. Br.
48	25	L R		0
50	Ent +	R	0	
49	25	R	0	0
50	10	0		0
49	Ent L	R	0	
50	10	R	0	0
41	15	L R		0
42	Ent L	R	0	
42	15	R	0	0
43	20	0		0
45	Ent +		0	
44	20	0	0	0
42	10	0		1
43	Ent 0		0	
43	10	0	0	T.

Yellowing

238		
266		
504	33.6	1512
233		
195		
428	28.5	1284
292		
286		
578	38.5	1734
312		
310		
622	41.5	1866
266		
[illegible]	35.5	1596
[illegible]	[illegible]	[illegible]

Ekelund popping

81
V. similar to 82 but girth
Prob as tall as Niva
but prob no improvement
over Niva

82
good, Long
lodging on 9/16

83
Med straw
stiff, late
leafy

84
Uniform lot
stiff straw
shorter than Niva Ada

85
Short straw
as good as RYN selection
100% lodged on 9/16 in
2nd. V. bad in 1st

Blue Rose types:

		1941 No.	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full	Hv
86	B3722A1-75	3777	170	8/21	8/31	9/12	9/23	
Dead was mix'd from breeding nursery	F x BR		351					
	Seed of 1st series mixed with 85							
87	B2920A25-1	72-D	171	8/4	8/13	8/20	8/31	9/ 9/
Dead	~~BR x F~~		372					
88	36-MS,	2027	172	8/17	8/24		9/18	
M-Brit Med	Medium x Short-grain							
	~~Short x Medium~~		362					
89	Imp. Bl. Rose Sel.	3270	173	8/14	8/24		9/16	
Dead Was mix'd from Breeding nursery			354					
90	B3725B39-1	3232	174	8/20	9/26		9/21	
Single	F1(Co x Cub) x B		356					

Plant Ht.	Diseases H.O.	C.O.	WT	hf. Br.
44	10	tr R	0	+
42	Ent tr	Seg	0	+
discarded				
43	10	Seg	0	+
41	15	0	1	T
43	Ent 0	R.	1	
42	15	Int. R	1	T
43	15	tr R	1	T
39	Ent tr	R-0	1	
41	15	R	1	T
43	10	+	1	+
41	Ent 0	R	2	
42	10	R	2	+
44	10	+	Tr	+
40	Ent tr	S	2	
42	10	S	1	+

234		
198		
432	28.8	1296
323		
265		
588	39.2	1764
341		
271		
612	40.8	1836
286		
190		
476	31.7	1428
294		
231		
525	35	1575

86
Rather leafy
sl lgt than BK
uniform

87
Dries back most too rapidly
V. hvy.

88
Similar to
Bruinsmia sl
V. good
light green color
rather broad leaves
leaning body

89
Panicle more
open than BK
Stem droops like
K x BK. Only fair

90
looks like typical
BK except that grain
is possibly a little
long.

		1941 No.	seeding order	Head 1st Full	Ripe 1st Full	H
91	B403, Brainmossie Sel.	168	175 349	8/19		9/22
92	Blue Rose TS-7183 CI-1962	84	176 368	8/19	9/25	9/20
93	36MS-1-7 Medium x Short-grain	2568	177 365	8/24	9/1	9/24
94	B34A2-3 BR x 5309	182	178 367	8/21	8/30	9/23
95	B342 Medium x Short-grain	97	179 357	8/18	8/25	9/23

M-Brut mest.

dwc

M-Brut mest.

V. gave BR grain from Lonisiana? Was shrunken like BR in 1941 test V.C.

M-Brut mest.

Showed V. little Co in 1941

Plant Ht	Diseases H.O.	C.O	WT	Lf. Rt.
45	10	+	0	0
45	Ext +		0	
45	10	+	0	0
44	5	+	1	+
40	~~Ext +~~	S	1	
42	5	S	1	+
47	15	+	tr	0
41	Ext 0	R	tr	
44	15	R	T	0
51	10 R	0	tr	0
42	Ext 0	R Ext doesn't show up as much as ripe R	1	
47	10		1	0
50	15	+	1	T
38	Ext +	S	2	
44	15	S	2	T

281		
325		
606	40.4	1818
296		
292		
588	39.2	1764
323		
255		
578	38.5	1734
403		
226		
629	41.9	1887
447		
201		
648	43.2	1944

91
Many blighted heads, smooth, similar angulatively 1/10 10% but not as productive

92
Much drying on 9/16

93
2 irregular not fair, two leafy dries but too rapidly

94
Taller more vigorous than BK on 9/30. Pith too full.

95
V.G. on 7/30 [illegible]
Prob. Disc are C.O. Heavier than BK

		1941 No.	Seedling order	Head 1st	Head Full	X	Ripe 1st	Ripe Full	
S6	B323B40-2	2604	180	8/26	9/5			9/27	
	RxSBR		353						
dsac	cut grain								
S7	B323B40-2	3517	181	8/26	9/5			9/27	
	RxSBR		358						
dsac	cut grain								
S8	B406	198	182	8/19	8/25			9/2	
M-Bent	FxRed		373						
	cut grain								
S9	B405	197	183	8/18	8/25		9/7	9/10	
	Medium x Short-grain		363						
dsac									
	2nd short-grain type prominently in 1941								
S10	B3512A39-41	175	184	8/25	9/6			9/22	
	(SPxSJ)xSBR		359						
dsac									

Plant Ht.	Diseases H.O.	C.O.	WT	Lf. Br.
49	10	tr R	1	0
42	Ent tr		tr	
46	10	R	1	0
49	10	+	1	0
43	Ent +		2	
46	10	+	2	0
48	15	Seq	1	0
38	Ent 1	R-O	1	
43	15	R	1	0
44	10	+	2	T
36	Ent +	S	1	
40	10	S	2	T
45	5	+	0	0
35	Ent 0	S	0	
40	5	5 Phyto Br.	0	0

288		
219		
507	33.8	1521
322		
156		
478	31.9	1434
336		
140		
476	31.7	1428
325		
210		
535	35.7	1605
194		
142		
336	22.4	1008

96

97
Looks much
heavier than 96 in 1st

98
Yo good in bot
Low grain
V. good B.K. type
creamy hull color
Some awns

99
Uniform Hgt
Prob. of no com.
value

100
Too late
ripening
Hdg Dec

		1941 No.	seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full	Ht.
101	B323B40-3	2605	185	8/25	9/5		9/27	
	RxSBR		355					
	dise cut ground							
102	Bl. Rose Sel.	2004	186	8/21	8/30		9/22	
	Dise Used sun strain		366					
103	B2920A25-5	103	187	8/20	8/26		9/22	
	IBRxF		360					
	dise							
104	Bruinmissie Sel.	3259	188	8/21	8/27		9/22	
	with (RxH) cut grain		371					
	Astr							
105	C2854-3	92	189	8/19	8/24		9/22	
	Bl. Rose-41		369					
	M-Bent mixed							

Plant Ht.	Diseases			lf. Br.
	H.O.	C.O.	WT.	
45	5	+	2	0
43	Ext+		2	
44	5	S	2	0
43	20	+	3	T Sag
41	Ext+	R-tr very general	2	
42	20	R	2	T
43	20	+	2	T
39	Ext+	Sag	2	
41	20	Sag	2	T. yellowing
45	20	0	1	T
43	Ext+	R-0	tr	
44	20	R	1	T
42	10	+ R	tr	+
40	Ext 0	R-tr	tr	
41	10	R	T	+

230
181
411 27.4 1233

226
197
423 28.2 1269

344
186
530 35.3 1590

300
252
552 36.8 1656

248
263
511 34.1 1533

101

102
Ardy fair
grains badly damaged by storm

103
Very uniform
prob disc

104
Rathm hood
leaves, light green
color. Best looking
BR type in test,
standing up better
than Bk - 41 on 9/24

105
good

		1941 No.	Seedling Order	Head 1st	Head Full	Ripe 1st	Ripe Full	Hv
106	B3725B38-5	3225	190	9/25	9/5		9/26	
	F1(CoxCub)xB		364					
	disc							
107	B34A39-47	109	191	8/22	8/29		9/22	
	BRx5309		352					
	M-Brut							
108	Sup. Blue Rose	98	192	8/18	8/24		9/21	
	TS-19802		370					
	CI-5793							
	M-Brut							
109	B2920B38-11-1	164	193	8/24	9/1		9/24	
	IBRxF		350					
	M-Brut							
110	B323B39-13	2602	194	8/26	9/5		9/27	
	R1SBR		361					
	M-Brut							
	Cut grade							

Plant Ht.	Diseases			
	H.O.	C.O.	WT	Lf. Br.
43	20	0	1	0
39	Ent tr		1	
41	20	0	1	0
44	5	+	tr	0
46	Ent 0	R	1	Sev
45	5	mg CO. M	1	0
42	10	+	1	+
41	Ent tr	S	3	
42	10	S	2	+
47	10	+	1	Sev
43	Ent +		tr	
45	10	S	1	Sev
50	10	0	1	0
42	Ent +		2	
46	10	0	2	0

189
184
373 24.9 1119

300
238
538 35.9 1614

270
223
493 32.9 1479

397
218
615 41 1845

376
208
584 38.9 1752

106
Too late
much study

107
fine character
prob. lodge room the
RR.

108
Verbally dismissed
upon 9/16

109
Lefty, right hand.

110

Beaumont Midseason Maturing Varieties!

		1941 No	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full	Ht
111	B3512A38-25	2511	195	8/14	8/26		9/17	3/2
	(SP×SJ)×SBR		375					
112	B354A1-34	2886	196	8/20	9/2		9/24	
	SBR×7143		394					
113	B355A2-36	2899	197	9/5	9/15	9/24	10/4	
	(E×F)×7143		380					
114	B348B39-16	3122	198	8/23	8/31		9/24	
	CA×N		386					
115	B3715A36-6	3497	199	8/13	8/21		9/16	
	F1(Co×Co)×SBR		377					

(Short and Medium-grain types)

Plant Ht.	Diseases H.O.	C.O.	WT	Lf. Br.
47	15	seg	3	Seg
43	Ext +	Some very clean plants	2	
45	15	Seg	3	Seg
44	35	seg	2	+ Seg
39	Ext +	R.	1	
42	35	R	2	Seg
46	5	tr	0	0
40	Ext 0 Slightly recut to H.O. and no C.O. spots showing on	R-0	0	
43	R	R	0	0
39	20	+	2	0
36		Seg	tr	
38	20	Seg	1	0
46	5	+	3	0
43		Seg	1	0+
45	5	Seg more plants rotten than Co. 419 B. cutting for	2	0

370		
200		
570	38	1710
320		
259		
579	38.6	1737
399		
346		
745	49.7	2235
175		
203		
378	25.2	1134
263		
170		
433	28.9	1299

111
Considerable Leg
2s a club type S & Co present
a very productive line
very promising adv

112
Too much leg
late type is very good
no sel in breeding mat

113
Highly HP resistant
drained too early
for mat. yield.
Very good, uniform

111
BM
SHRT
Mc
91

114
Elsie

115

		1941 No.	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full
116	B344839-8 CA x K	119	200 378	8/13	8/21	9/6	9/16
117	B3711, CA	131	201 393	8/15	8/24		9/17
118	B2914A4-1-1 CA x BR	157	202 396	8/9	8/17	9/5	9/13
119	Caloro (Normal from 1939 Tetraploid line)	Chrom # Expt.	203 381	7/30 DwE 5	8/13	9/1	9/12
120	Caloro TS-19799 CI-1561-1	55-D	204 382	7/25 twE 8/7	8/15	9/1	9/12

M-Bent S cut grand

dwae

V. good veget. in 1941.

dwae

Outstanding grain shape; Excellent in 1941

M-Bent S

20 taller than regular Caloro.

M-Bent S

Plant Ht.	Diseases			
	H.O.	C.O.	WT.	Lf. Br.
40	tr	+R	2	T
41		R-O	1	
41	T	R	2	T
40	20	+	2	0
37		S	1	
39	20	S	2	0
40	15	+	2	0
43		S	1	
42	15	S	2	0
44	15	+	2	0
40		S	tr	
42	15	S	1	0
41	15	+	2	0
39		S	tr	
40	15	S	1	0

277
348
625 41.7 1875

254
257
511 34.1 1533

313
221
534 35.6 1602

327
278
605 40.3 1815

342
270
612 40.8 1836

116

less avons than 128 in 2nd
and better looking in 2nd

Too much CD. 117
V. Uniform
no. com. value

Too much Co. 118
no com. value
Similar to A 3-3-3

119

120

		1941 No.	seeding order	Head 1st	Head Full	Ripe 1st	Ripe Full	
121	Lovell-40	4786	205	8/19	8/26		9/24	
			384					
122	B3411B39-10	3134	206	8/19	9/1		9/25	
	SxCA		395		Seg			
123	B341B40-10	3054	207	8/17	8/28	9/6	9/14	
	CAxF		383					
124	B2914A36-3	153	208	8/4	8/13	8/30	9/12	
	CAxBR		376					
125	B2920A	2563	209	8/19	8/26		9/21	
	IBRxF		391					

Plant Ht.	Diseases H.O.	C. O.	WT.	Lf. Br.
43	20	+	1	0
42		S	1	
43	20	S	1	0	
38	30	+	tr	T
38		leg mostly R.	0	
38	30	S	T	T
44	25	0	2	0
39		R-0	tr	
42	25	R	1	0
42	15	+	1	0
37		S	tr	
40	15	S	1	0
50	20	0	3	T
42		leg	tr	
46	20	Seg	2	T

381
237
618 41.2 1854

288
270
558 37.2 1674

364
250
614 40.9 1842

427
316
743 49.5 2229

406
210
616 41.1 1848

121
Very uniform
short-grain type
grain badly damaged by storm

122
No value
only fair

123
Very uniform lt.
Many some shattering
mostly cursed.
Saw:

124
Very good much heavier
than color.

125
Irregular lt.
V. good grain type
Prob. discard

		1941 No.	Seedling No.	Head 1st	Head Full	Ripe 1st	Ripe Full
126	B3421A4-1	3174	210	8/23	9/2		9/23
Single inverted gain	3212xBR		379				
127	S2912A34-2-8-4-6	132	211	8/12	8/19		9/14
M-Brnt mark	KxBR		392				
128	B344B39-6	152	212	8/12	8/19	9/6	9/15
M-Brnt S cut grain	CAxK		389				
129	CI-6796.	74	213	8/10	8/18	9/3	9/9
M-Wht cut mark grain			387				
130	B3411B39-6	3133	214	8/28	9/5		10/4
L-Brnt cut on 10/3 sl green	SxCA	—	397				

M/ set in breeding nursery

Plant Ht.	Diseases			Lf. Br.
	H.O.	C.O.	WT.	
46	15	+	2	+
42		R	2	
44	15	R	2	+
47	25	0	1	Seg 0-2
43		R	1	
45	25	R	1	Seg
43	10R	0	tr	0
38		R	0	
41	10	R	T	0
43	15	+	tr	0
40		R (0)	0	
42	15	R	T	0
46	5	+	tr	T
49			tr	
48	5	S	T	T

290		
162		
452	30.1	1356

442		
246		
688	45.9	2064

371		
250		
621	41.4	1863

409		
259		
668	44.5	2004

366		
470		
836	55.7	2508

126 Much stability
Fair.

127 V. heavy. Prothrombin

128
Very good.

129 Very good

130

		1941 No	seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full	
131	J2914A3-3-3	93	215	8/13	8/21	9/8	9/15	
dise	CA x BR		390					
132	S2918A34-2-8-4-4	2023	216	8/16	8/21		9/15	
M Brust mark	(Sel. ~~from~~)		374					
	K x BR							
133	B2920A9-1-2D	2024	217	8/2	8/12	8/2	8/31	9
dise	IBR x F		388					
134	B341B39-4	3043	218	8/22	9/3		10/3	
dise	CA x F		385					
cut m 10/3								
al green								

Plant Ht.	Diseases H.O.	C.O.	WT	Lf. Br.
45	20	+	tr	T
42		S	tr	
44	20	S	T	T
48	20	tr R	tr	T
46		R	tr	
47	20	R	T	T
45	15	0	tr	+
46		R. modern tr		
46	15	9/2 like foot R row pl. on clean the foot.	T	+
38	Seg	+	tr	T
41			tr	
40	Seg	S	T	T

322
275
597 39.8 1991

290
287
577 38.5 1731

351
276
627 41.8 1881

244
215
459 30.6 1377

131

132
Very uniform good
Too tall

133
Fairly large but
drier bark Too much
charcoal

134

113

(Kansas x Honduras) x Blue Rose Selections

(K x H) x BR lines

		1941 No	Seedling Order	Head 1st	Head Full	Ripe 1st	Ripe Full	H
135	Blue Rose (TS-7183) CI-1962	84	219 275	8/18	8/25		9/17	
136	B3710A1-6-2 (K x H) x BR	3355	220 282	8/18	8/25		9/15	
137	B3712A1-21	3441	221 274	8/16	8/25		9/16	
138	B3712A1-7-2	3422	222 287	8/17	8/24		9/14	
139	B3710A1-13	3368	223 265	8/18	8/25		9/14	

nursery row

3 rows in single row

3 rows in single row

out guard

out guard

Dixie

See book I for 40 + yield plant work for C.O.

Both plants checked on 8/13

Plant Ht.	Diseases H.O.	C.O.	WT.	Lf. Br.
42			2	+
40	~~tod~~	S	2	
41		S		
		S	2	+
4				
42			1	0
41	~~mod~~	R	1	
		~~R~~		
42		R	1	0
45	1		1	T
44	~~tod~~	R	tr	Seg
		R		
45		R	1	Seg
42	1		tr	T
40	~~tod~~	R	tr	
		R		
41		R	T	T
44			1	0
42	mod.	Seg	1	
		Seg		
43		Seg	1	0

plat	acre	
qua	Bu	lbs
300		
258		
558	37.2	1674
		18
378		
319		
697	46.5	2091
		8
385		
379		
764	50.9	2292
		2
341		
288		
629	41.9	1887
		12
294		
275		
569	37.9	1707
		16

142

135
Many dead leaves beginning to break over on 9/16
Heads short.
Leaning sl in 1st on 10/3

136
Very similar to BK
Creamy-buff color
Sl. variation as to lining 2.0 gram
Not as heavy as BK.
Standing perfectly on 10/5
Very outstanding acc. straw on
Better than #150

137
Pr. type - intermediate
Productive line

135 (K x 4) BR. LINE

138
Uniform. V. good
BR ht. short grain
Prob not as heavy as A1-1-3
Sl irregular ht

139
Too much drying.

		1941 No	Seedling Order	Head 1st	Head Full	Ripe 1st	Ripe Full	H
140	B3710A1-7 (K×H)×BR ✓	2092	224 284	8/16	8/26		9/13	
141	B3710A1-15-5	3374	225 266	8/18	8/27		9/16	
142	B3710A1-6-1	2091	226 273	8/16	8/25		9/15	
143	B3710A1-9-4 ✓	2093	227 264	8/21	8/27		9/17	
144	B3710A1-22 ✓	3392	228 269	8/16	8/26		9/14	

cut ground

cut ground

grain fell flat

Have to cut this line

grain fell over line

Plant Ht.	Diseases H.O.	C.O.	WT	hf. Br
44			1	0
42		Seg	2	
		Seg		
43		Seg	2	0
45			2	0
44		R.	2	
		R		
45		R	2	0
44			tr	0
42		R	1	
		R		
43		R	1	0
47			tr	0
47		R.	tr	
		R		
47		R	T	0
45			tr	0
43		Seg	tr	
		Seg		
44		Seg	T	0

249			
266			
515	34.3	1545	
		24	
339			
351			
690	46	2070	
		10	
337			
265			
602	40.1	1806	
		14	
391			
404			
795	53	2385	
		1	
278			
262			
540	36	1620	
		22	

V. good BK 140
type

Creamy buffs 141
Rather irregular lot
good
not as attractive on 10/3 as
#136 + #142

Creamy buffs 142
V. good. Similar to 136

Tall buff line 143
very productive in 2nd.

Too much leaf drying
but standing well upright

Leaning slightly 144
Too much drying

		1941 No.	Seedling Order	Head 1st	Head Full	Ripe 1st	Ripe Full	H
145	B3710A1-12 (K×H)×BR	3363	229 277	8/13	8/21		9/13	
146	B3710A1-21	3388	230 267	8/16	8/25		9/18	
147	B3710A1-25	3407	231 272	8/21	8/28		9/16	
148	C2854-3 Bl. Rose-41	92	232 281	8/18	8/25		9/17	
149	B3710A1-15-6	2097	233 270	8/14	8/23		9/13	

lo = leaning slightly
l = leaning
lb = " badly

Plant Ht.	Diseases. H.O.	C.O.	WT	Lf. Br.
45			tr	0
41		Seg	tr	
43		Seg		
43		Seg	T	0
46			tr	T
40		Seg	tr	
		Seg		
43		Seg	T	T
45			tr	0
44		Seg	tr	
		Seg		
45		Seg	T	0
44			0 tr	+
39		R-h	0 tr	
		R-h		
42		R	0	+
46			1	0
42		R	1	
		R		
44		R	1	0

292
256
548 36.5 1644
20

353
294
647 43.1 1941
11

292
259
551 36.7 1653
19

301
221
522 34.8 1566
23

393
333
726 48.4 2178
5

145
Leaning on 9/2
Creamy hulls
dies back too rapidly
disc

146
Leaning slightly
disc.

147
2 regular kt.
shade seeds
Disc?
Standing up OK on 10/3

148
* 136
much
poorer than adj. selection
2nd. Heads shed more
not standing as well
as better hybrid lines on
10/3

149
Creamy hulls
sl taller than BR. 41
very good
Standing better than BK-H
on 10/3. Hardly as good
as some, however.

		1941 No.	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full
150	B3710A1-15 (K×H)×BR	189	234 283	8/16	8/24		9/14
151	B3712A1-15-1	3430	235 278	8/19	8/26		9/17
152	B3710A1-19	3384	236 280	8/17	8/24		9/16
153	B3710A1-3	3352	237 286	8/21	8/28		9/18
154	B3710A1-9-1	3358	238 279	8/18	8/26		9/17

plant Ht.	Diseases			
	H.O.	C. O.	WT	Lf. Br.
46			2	T
41		R.	2	
		R		
44		R	2	T
44			tr	T
42		R	tr	
		R		
43		R	T	T
44			T	T
43	chantr ho.	R	2	
		R		
44		R	2	T
45			1	T
45		seg	2	
		seg		
45		seg	1	seg
43			2	T seg
43		seg	2	
		seg	1	
43		seg	2	seg

298
248
546 36.4 1638
21

407
349
756 50.4 2268
3

334
293
627 41.8 1881
13

398
307
705 47 2115
6

433
308
741 49.4 2223
4

Poor stability 150
than 149 creamy buds
more regular but than 146

Very heavy 151
Has very stiff straw
very little if any taller than B/K
or types from previously
with flat but there is
evidently some segregation
for grain shape & length
Uniform stand-line in test
no 9/18 – Mowing on 10/3 Fine #155

Vigorous growth 152
but not taller than B.K.
Heads most like B.K.

Very large grain 153
Very Uniform
Standing very well on 10/3
Fine

Very heavy 154
good Bk type & taller
and heavier Drier &
looks more like Bk on 10/3

		1941 No.	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full
155	B3710A1-3-2 (KxH)xBR	3351	239 276	8/21	8/29		9/18
	out ground V						
156	B3712A1-24 V	3446	240 263	8/14	8/22		9/13
	Re-dise						
157	B3710A1-23	3402	241 268	8/17	8/26		9/15
	dise						
158	B3710A1-18	3379	242 271	8/16	8/25		9/14
	dise						
159	B3712A1-7-3	3423	243 285	8/17	8/25		9/16
	Cut ground						

Plant Ht.	Diseases H.O.	C.O.	WT	Lf. Br.
				Lat plants checked on 2/13/42
46			tr	T +
47.		R	T	seg
		R		
47		R	1	Seg
41			1	T
43		R	tr	seg
		and in two sugl. plants not enough to seg		
42		R R 2nd	1	Seg
42			tr	+
42		seg	osh	
		seg		
42		seg	T	+
41			1	0
41		R	1	
		R		
41		V few Sm 2nd R	1	0
44			2 tr	T +
42		R	1	
		R		
43		R	2	Seg

395
304
699 46.6 2097
7

278
291
569 37.9 1707
17

332
258
590 39.3 1770
15

240
229
469 31.3 1407
25

392
300
692 46.1 2076
9

155
large eared
very long.
appears to be taller than 153
Very long. Much damage by grain
both series.
Consid. less lodging
than #153 on 10/3
standing better than any line
in test on 10/3

156
slight straw
pros. not prod. enough
ears lack too fast.
2 as tall as #1 in 2nd
series leaves & looks as long
much lodging in 2nd

157
Leaning sl.
Only fair
Disc.

158
poor stalk
"
disc

159
V. good
leaning
heads very long
appeared to be best A1-7
line in test on 9/18 but
is not standing as well
as #158 on 10/3 in
either series

Uniform Midseason Maturing Varieties:

		1941 No.	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full
160	Blue Rose	84	244	8/18	8/24		9/17
M-Uni mid grain	TS-7183		343				
	CI-1962		463				
			525				
161	C2912A10-1-1	Crowley ha.	245	8/12	8/20		9/12
dicc grain	KxBR	(1941 in 84)	332				
			461				
			531				
162	Caloro	55	246	8/5	8/16	9/1	9/8
M-Uni grain	TS-19799		339	8/7			
	CI-1561-1		464				
			528				
163	AL-5-30	Crowley ha.	247	8/11	8/21	9/3	9/11
M-Uni mid	IxBR	also grown under #45 in 1941					
164	B3712A1-7	183	248	8/18	8/24		9/15
Dicc Hac Hung Resist Rh CO Medium mid	(KxH)xBR		346				
			455				
			529				

(short and Medium-grain types.)

Plant Ht.	Diseases H.O.	C.O.	WT	Lf. Br.
40	10	+	1	+
45		S	1	
		very bad on 9/16	1	
43	10	S	1	+
42	15		1	th
46		R.	1	Seg
			th	
44	15	R	1	Seg
36	10	+	th	o
42		S	th	
			M	
39	10	S	T	o
39	5	+	o	+
45		R	o	
		th on 9/16	o	
42	5	R	o	+ yellowing
39	5		2	th
48		Seg.	1	
			1	
44	5	Seg	1	Seg

240			
269			
393			
285			
1187	39.6	1780	
369		14	
368			
390			
364			
1491	49.7	2236	
299		2	
405			
429			
348			
1481	49.4	2222	
294		3	
303			
470			
252			
1319	44.0	1978	
268		10	
302			
463			
321			
1354	45.1	2031	

Leaning sl n/the 160

Stands up much 161
better than A 34 or A 47

162

163
Is not the
equal ? the K x R k line

164
Stands up bet
than B k or B C-41

		1941 No	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full
165	B3512A38-6	179	249	8/13	8/21		9/13
M-Uni Med	(SP×SJ)×SBR		348				
			448				
			523				
166	C2854-3	92	250	8/18	8/24		9/17
M-Uni Med	Bl. Rose-41		331				
			458				
			533				
167	Shoemed	79	251	7/31	8/9	8/18	8/27
M-Uni Med	TS-1989		333	7/31			
	CI-3625		454	7/30			
			524				
168	Acadia	77	252	8/13	8/20		9/12
M-Uni Med	TS-1982		338	8/11			
	CI-1988		460				
			526				
169	C2-21-25	Crowley ha.	253	8/20	8/31		9/14
Disease resistant strain from Crowley M-Uni Med	SxBR		380				
			465				
			519				

Plant Ht.	Diseases H.O.	C.O.	WT	Lf. Br.
41	20	+6/18	+1/6/18	T-T
47		R.	th	
			Th	
44	20	R	T	T
39	15	0	0.th	+
45		R	0th	
		few spots on 9/16	0	
BWH				
42	15	R	T	+
41	5	0	0	+
41			0	+ Ballooning
41	5	0	0	+
37	10		1	0
45		S	1	
			th	
41	10	S	1	0
40	10		2	T
46		R	3	
		th on 9/16	2	
43	10	R	2	T

347			
323			
265			
310			
1245	41.5	1868	
222		13	
380			
376			
407			
1385	46.2	2078	
237		7	
261			
373			
223			
1094	36.5	1641	
260		19	
445			
379			
342			
1426	47.5	2139	
212		5	
328			
380			
199			
1119	37.3	1678	

165 leaning slightly on 9/16

166 considerable C.D. showing on 9/24

167

168

169 v good Stigeoclonium quarter to light but no yellowing on 9/18

		1941 No	Seeding Order	Head 1st	Head Full	Ripe 1st	Ripe Full	H
170	Guneki CI-6899	50	254	8/14	8/21		9/15	
			336	8/13				
			459					
			522					
171	S2912A34-2-1-3 KxBR (#81 in 1941)	Stutt. Ark.	255	8/8	8/18	9/3	9/12	
			334	8/9				
			449					
			532					
172	Asahi	85	256	8/14	8/22		9/14	
			344					
			457					
			516					
173	B2912A13-2-2-1-1-1 KxBR	94	257	8/12	8/21		9/12	
			337	8/14				
			447					
			520					
174	B2913A17-3 CoxBR	78	258	8/13	8/20		9/13	
			347					
			450					
			517					

Plant Ht.	Diseases				Lf. Br.
	H.O.	C.O.	WT		
38	5		tr		+
37		R.	0		
			tr		
36	5	R	T		+
40	20		tr		+
44		R.	tr		
			0		
42	20	R	T		+
33	20		tr		+
39		R.	tr		
			0		
36	20	R	T		+
38	15		tr		T
46		R	1		
			tr		
42	15	R	T		T
39	20		1		T
44		S	tr		
			tr		
42	20	S	T		T

247			
281			
327			
274			
1129	37.6	1694	
261		17	
356			
439			
323			
1379	46.0	2068	
208		8	
327			
343			
255			
1133	37.8	1708	
260		16	
339			
260			
301			
1160	38.7	1740	
224		15	
364			
386			
281			
1255	41.8	1882	

170

171

172

Best Ky B R in test this year 173

Bedford Co on 9/24 174

		1941 No	Seedling Out.	Head 1st	Head Full	Ripe 1st	Ripe Full
175	B2912A47-1-1-1-1 Kx BR	88	259	8/8	8/18	9/1	9/10
			335	8/13			
			453				
			527				
176	B2911A18-1-1-1 KxH	80	260	8/16	8/26	9/3	9/10
			341				
			462				
			518				
177	Arkrose CAxBR (52914A18-3-8-13)	Stutt. Ark. (40 in 1941)	261	8/7	8/15	8/29	9/9
			340				
			456				
			530				
178	Colady-40	41	262	8/10	8/18		9/9
			345				
			451				
			521				

Plant Ht.	Diseases				
	H.O.	C.O.	WT	Lf. Br.
40	20		tr	+
45		R	tr	
			1	
43	20	R	T	+
43	5		tr	0
46			tr	
			tr	
45	5	R	T	0
44	15	+6/18	+2 6/18	T
45		S+	2	
			2	
45	15	S	2	T
44	20	+	1	0
46		S+	1	
			1	
45	20	S	1	0

276					
242					
448					
341					
1307	43.6	1961			
341		11			
314					
404					
328					
1387	46.2	2080			
267		6			
426					
492					
293					
1478	49.3	2217			
352		4			
442					
452					
293					
1539	51.3	2308			
		1			

175 leaving body on 9/16 lodging over the B&O in det service.

176 body lodged on 9/16

177 leaving dt on 9/16

178 Broken over body on 9/16

	BR	BR-41
2200		1914
10	1800	
20		1296
30	1356	
40		1332
50	1200	
60		1620
70	1416	
80		1200
90	1764	
2300		2190
10	1636	
20		1890
30	1488	
40		1164
50	2184	
60		1920
70	2352	
80		1500
90		
	1688	1603

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172 80

113 see if any of these lineage in mss. 86

115 " 88-110

Rugby Borden son of 65 mistook had a granny (A)